



DNA-Mixture Test No. 26-5801

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 244 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	White Fabric	Blood	50 μ L	Female	Victim
2	Known	White Fabric	Blood	50 μ L	Male	Suspect
3	Questioned	Pink Fabric	Blood/Semen	50 μ L (1:1)	Female/Male	Victim/Additional Male
4	Questioned	Yellow Fabric	Blood/Semen	50 μ L (1:1)	Female/Male	Victim/Additional Male

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	17,19	11,14	14,15	11,12	*
	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23	14,16	7,7	10,11
	15,16	NM	NM	NM	NM	
2	12,17	23,24	14,14	15,16	11,13	*
	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15	18,20	7,9	8,9
	16,16	11	17	16	2	
3-Blood	12,15	17,19	11,14	14,15	11,12	*
	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23	14,16	7,7	10,11
	15,16	NM	NM	NM	NM	
3-Semen	17.3,17.3	17,17	11,14	15,17	11,11	*
	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15	23.2,24.2	9,9.3	11,11
	16,17	10	17	17	2	
4-Blood	12,15	17,19	11,14	14,15	11,12	*
	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23	14,16	7,7	10,11
	15,16	NM	NM	NM	NM	
4-Semen	17.3,17.3	17,17	11,14	15,17	11,11	*
	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15	23.2,24.2	9,9.3	11,11
	16,17	10	17	17	2	

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

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

YSTR Results

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

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
2	35,37	14	12,14	13	29	24	11	13	13
	15	12	11	19	29	17	18	11	22
	37	13	13	17	16	18	23	10	12
3-Semen	37,40	14	16,16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
	40	11	12	17	17	22	21	9	10
4-Semen	37,40	14	16,16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
	40	11	12	17	17	22	21	9	10

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 was created using blood from a male donor. Items 3 and 4 were created using blood from the same 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 244 participants.

DNA Analysis

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

For YSTR results, all participants reported consistent results.

DNA Interpretations

Of the 244 participants that returned DNA results, 243 reported DNA interpretations for both questioned stains. One participant selected the "No Interpretation" option for each conclusion.

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

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

24VJXZ	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16					
266NBN	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				
274VF2	PowerPlex® Fusion (STRmix)					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				
27XJUQ	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12
	20,26			14,16	7	10,11
	15,16	NM			NM	
27YEG4	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				
27Z7DQ	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				

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

2D2NNV	GlobalFiler™					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26			14,16	7
		15,16				10,11
2HFX2Z	PowerPlex® Fusion 5C					
		12,15	17,19	11,14	14,15	11,12
1		8,8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	XX
		20,26	9,13	17,23		7,7
		15,16	nd			10,11
2KE46D	PowerPlex® Fusion 5C					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26	9,13	17,23		7
		15,16				10,11
2MTWGY	GlobalFiler™ (STRmix)					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26			14,16	7
		15,16				10,11
2QH8VC	Investigator® 24plex					
		12,15	17,19	11,14	14,15	11,12
1		8,8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	XX
		20,26			14,16	7,7
		15,16	NA			10,11
2XU824	PowerPlex® Fusion					
		12,15	17,19	11,14	14,15	11,12
1		8,8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	XX
		20,26	9,13	17,23		7,7
		15,16	nd			10,11
33J44Y	PowerPlex® Fusion 5C					
		12,15	17,19	11,14	14,15	11,12
1		8,8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	XX
		20,26	9,13	17,23		7,7
		15,16				10,11

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

33VXLK	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	not tested
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23	not tested	7,7	10,11
	15,16	not detected	not tested	not tested	not tested	
39GK4D	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
3CE47C	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26			14,16	7,7	10,11
	15,16					
3DHUVY	GlobalFiler™ (STRmix)					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
3EQ9UR	Investigator® 24plex QS					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26			14,16	7,7	10,11
	15,16					
3J7J8V	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12
	20,26			14,16	7	10,11
	15,16					
3J7NKJ	PowerPlex® Fusion 6C					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23	14,16	7	10,11
	15,16					

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

46F89Q	Investigator® 24plex QS					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26			14,16	7,7	10,11
	15,16	--				
4AATT9	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
4GTWZB	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
4H6BCG	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26			14,16	7,7	10,11
	15,16					
4KWZ8V	GlobalFiler™ (STRmix)					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
4M4MCM	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16	ND				
4ZADEV	Investigator® 24plex QS					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26			14,16	7,7	10,11
	15,16					

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

68WFNC	GlobalFiler™					
		12,15	17,19	11,14	14,15	11,12
1		8,8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X,X
		20,26	N/A	N/A	14,16	7,7
		15,16	N/A	N/A	N/A	N/A
69TW29	PowerPlex® Fusion					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26	9,13	17,23		7
		15,16				10,11
6D87ZN	PowerPlex® Fusion					
		12,15	17,19	11,14	14,15	11,12
1		8,8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X,X
		20,26	9,13	17,23		7,7
		15,16	ND			10,11
6DV4WX	GlobalFiler™					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26			14,16	7
		15,16				10,11
6WKQWR	GlobalFiler™ (STRmix)					
		12,15	17,19	11,14	14,15	11,12
1		8,8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X,X
		20,26			14,16	7,7
		15,16				10,11
6XF79P	GlobalFiler™ Express					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26			14,16	7
		15,16				10,11
6XG784	GlobalFiler™					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26			14,16	7
		15,16	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

7R9YPZ	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
8AJEXK	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12
	20,26			14,16	7	10,11
	15,16	NM			NM	
8AL2GJ	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	NT
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23	NT	7,7	10,11
	15,16	ND	NT	NT	NT	
8NLKFW	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				
8NYWNA	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16					
8Q8KHX	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16					
8TBPY9	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					

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

8WA4JD	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16	NR			NR	
8X9WDU	PowerPlex® Fusion 6C, GlobalFiler™ Express					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23	14,16	7	10,11
	15,16	NID	NID	NID	NID	
8ZE8LR	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16					
999K7R	PowerPlex® 35GY					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12
	20,26	9,13	17,23	14,16	7	10,11
	15,16					
9C7B4Q	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
9ERUBF	PowerPlex® Fusion (STRmix)					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				
9FLKGU	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					

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

9KBPY7	PowerPlex® ESI, ESX, Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	-
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23	14,16	7	10,11
	15,16	-	-	-	-	-
9NU2G9	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	N/A
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	N/A	N/A	14,16	7,7	10,11
	15,16	N/A	N/A	N/A	N/A	N/A
9T6UT8	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16	-				
9TTLZQ	GlobalFiler™ (STRmix™)					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
A23EKK	Investigator® 24plex QS					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16					
A3W6QZ	GlobalFiler™ Express					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16	NR			NR	
A832AZ	GlobalFiler™ Express					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16	No Result			No Result	

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

A86QGH	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
AQ2W6C	PowerPlex® 5C					
	12,15	17,19	11,14	14,15	11,12	--
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23	--	7	10,11
	15,16	-----	-----	-----	-----	
AUZBQF	NGM SElect					
	12,15	17,19	11,14	14,15		
1		12,15	13,15	19,22		9,15
	12,14	14,15	28,29	14,17	XX	
	20,26			14,16	7,7	
	15,16					
B4MQWV	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				
BCZKAD	PowerPlex® Fusion 6C (LRmix)					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23	14,16	7,7	10,11
	15,16	-	-	-		
BH2EY9	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16					
BKCW7B	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16	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

BKRBHQ	PowerPlex® Fusion 6C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23	14,16	7,7	10,11
	15,16	ND	ND	ND		
BQA9U2	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
BR8WJH	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
BYUPVG	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
C6TZE2	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
CFUWMN	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				
CJRZ76	PowerPlex® 5c					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					

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

CTXHPD	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16					
CUCNBV	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	nd				
CY2TT8	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26			14,16	7,7	10,11
	15,16	NR			NR	
D28BDE	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
D2RP9J	Investigator® 24plex QS					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26			14,16	7,7	10,11
	15,16					
D4YZ9T	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12,12
	20,26			14,16	7,7	10,11
	15,16					
D62RG3	PowerPlex® Fusion 6C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23	14,16	7,7	10,11
	15,16					

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

D8DVNQ	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16	-			-	
DAVJU6	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16					
DLF9YW	GlobalFiler™ Express					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16	NR			NR	
DU8L2G	PowerPlex® 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
DX76ZU	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16					
DX8XWG	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				
DZCMYP	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				

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

ENE7MU	GlobalFiler™						
		12,15	17,19	11,14	14,15	11,12	--
	1	8,8	12,15	13,15	19,22	12,13	9,15
		12,14	14,15	28,29	14,17	X,X	12,12
		20,26	--	--	14,16	7,7	10,11
	15,16	--	--	--	--		
EPAPNV	GlobalFiler™ (STRmix)						
		12,15	17,19	11,14	14,15	11,12	
	1	8	12,15	13,15	19,22	12,13	9,15
		12,14	14,15	28,29	14,17	X	12
		20,26			14,16	7	10,11
	15,16						
EWRZZB	PowerPlex® Fusion 5c, Verifiler+						
		12,15	17,19	11,14	14,15	11,12	11,13
	1	8	12,15	13,15	19,22	12,13	9,15
		12,14	14,15	28,29	14,17	X	12
		20,26	9,13	17,23		7	10,11
	15,16						
EZDVPN	PowerPlex® Fusion						
		12,15	17,19	11,14	14,15	11,12	
	1	8,8	12,15	13,15	19,22	12,13	9,15
		12,14	14,15	28,29	14,17	X,X	12,12
		20,26	9,13	17,23		7,7	10,11
	15,16	ND					
F2C6ZY	NGM SElect						
		12,15	17,19	11,14	14,15		
	1		12,15	13,15	19,22		9,15
		12,14	14,15	28,29	14,17	X,X	
		20,26			14,16	7	
	15,16						
F6ZCN3	GlobalFiler™						
		12,15	17,19	11,14	14,15	11,12	
	1	8,8	12,15	13,15	19,22	12,13	9,15
		12,14	14,15	28,29	14,17	X,X	12,12
		20,26			14,16	7,7	10,11
	15,16						
FB2NKY	PowerPlex® Fusion						
		12,15	17,19	11,14	14,15	11,12	
	1	8	12,15	13,15	19,22	12,13	9,15
		12,14	14,15	28,29	14,17	X	12
		20,26	9,13	17,23		7	10,11
	15,16						

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

FNWCLJ	GlobalFiler™ (STRmix)					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
FRG8MQ	GlobalFiler™ Express					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16	NR			NR	
FVRHFK	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16					
FWL6UA	GlobalFiler™ (GeneMapper ID-X 1.6)					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16					
FWNTD9	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16	NR				
G3RYN6	PowerPlex® Fusion 6C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23	14,16	7,7	10,11
	15,16					
G42NKW	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					

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

G76LPX	PowerPlex® Fusion 5c					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
GMV24L	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				
GWZCNZ	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
GZYMKZ	PowerPlex® Fusion 5c					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
H2XLPJ	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
H8FHZU	PowerPlex® Fusion 5c					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
HANB2D	Investigator® 24plex QS					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16					

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

HB3T6J	GlobalFiler™ Express					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
HPYWMP	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
HUB3ZA	GlobalFiler™ Express					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
HUFD2M	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
HY7VU6	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12
	20,26			14,16	7	10,11
	15,16	NM			NM	
HYNKHR	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16					
J7MHRF	GlobalFiler™ (STRmix)					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					

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

J8H2TG	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16					
J9T3EF	GlobalFiler™ (STRMIX)					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
JF29UZ	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16	NR			NR	
JF8XAN	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
JFANF8	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				
JG4ELL	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				
JG67H9	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16					

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

JTXLPH	GlobalFiler™ (STRmix)					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
JXK3PV	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
K2L6XM	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
K3CWW	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
K4VTW2	PowerPlex® Fusion 6C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23	14,16	7,7	10,11
	15,16					
K4WNJD	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16					
KGXJFK	GlobalFiler™ Express					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16	No result			No result	

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

KHVRN4	PowerPlex® Fusion 5C					
		12,15	17,19	11,14	14,15	11,12
	1	8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	X 12
		20,26	9,13	17,23		7 10,11
	15,16	NR				
KKWX3A	Investigator® 24plex QS					
		12,15	17,19	11,14	14,15	11,12
	1	8,8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	XX 12,12
		20,26			14,16	7,7 10,11
	15,16					
KNYR6L	GlobalFiler™					
		12,15	17,19	11,14	14,15	11,12
	1	8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	X 12
		20,26			14,16	7 10,11
	15,16					
KPB9FE	GlobalFiler™					
		12,15	17,19	11,14	14,15	11,12
	1	8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	X 12
		20,26			14,16	7 10,11
	15,16					
KRTE8V	PowerPlex® Fusion					
		12,15	17,19	11,14	14,15	11,12
	1	8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	X 12
		20,26	9,13	17,23		7 10,11
	15,16					
KVC8HX	GlobalFiler™					
		12,15	17,19	11,14	14,15	11,12
	1	8,8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	XX 12,12
		20,26			14,16	7,7 10,11
	15,16					
KX7BHP	GlobalFiler™					
		12,15	17,19	11,14	14,15	11,12
	1	8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	X 12
		20,26			14,16	7 10,11
	15,16					

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

L9H3J6	GlobalFiler™					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	XX 12
		20,26			14,16	7 10,11
		15,16	NM			NM
L9KP34	PowerPlex® Fusion 5C					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	X 12
		20,26	9,13	17,23		7 10,11
		15,16	NR			
LCWX2M	GlobalFiler™					
		12,15	17,19	11,14	14,15	11,12
1		8,8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	XX 12,12
		20,26			14,16	7,7 10,11
		15,16				
LDRF23	PowerPlex® Fusion 6C					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	X 12
		20,26	9,13	17,23	14,16	7 10,11
		15,16				
LHHE7R	GlobalFiler™					
		12,15	17,19	11,14	14,15	11,12
1		8,8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	XX 12,12
		20,26			14,16	7,7 10,11
		15,16				
LKE7R6	PowerPlex® Fusion					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	X 12
		20,26	9,13	17,23		7 10,11
		15,16	ND			
LL82A8	PowerPlex® Fusion					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	X 12
		20,26	9,13	17,23		7 10,11
		15,16	ND			

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

LRXAY8	GlobalFiler™ Express					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
LT2UAU	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
LTHZDQ	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
LW3RNT	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
M8JCU2	PowerPlex® Fusion (STRmix)					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				
M8NPKJ	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
M9GMNJ	GlobalFiler™ Express					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16	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

MBHQF7	GlobalFiler™ Express					
		12,15	17,19	11,14	14,15	11,12
	1	8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26			14,16	7
	15,16				10,11	
MCE7R3	PowerPlex® Fusion 5C					
		12,15	17,19	11,14	14,15	11,12
	1	8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26	9,13	17,23		7
	15,16	NR			10,11	
MCGXJJ	GlobalFiler™ Express					
		12,15	17,19	11,14	14,15	11,12
	1	8,8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	XX
		20,26			14,16	7,7
	15,16	NR			10,11	
					NR	
MD7LVT	PowerPlex® Fusion					
		12,15	17,19	11,14	14,15	11,12
	1	8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26	9,13	17,23		7
	15,16				10,11	
MEKNQX	PowerPlex® Fusion 5C					
		12,15	17,19	11,14	14,15	11,12
	1	8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26	9,13	17,23		7
	15,16	NR			10,11	
MMRQ3T	PowerPlex® Fusion					
		12,15	17,19	11,14	14,15	11,12
	1	8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26	9,13	17,23		7
	15,16				10,11	
MRRET7	GlobalFiler™ Express					
		12,15	17,19	11,14	14,15	11,12
	1	8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26			14,16	7
	15,16				10,11	

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

N42CBE	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				
N4B7JU	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	NA
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	NA	NA	14,16	7,7	10,11
	15,16		NA	NA	NA	
N6WYP4	PowerPlex® Fusion 5C (STRmix)					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	Not Detected				
N9W79G	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				
NA3N7C	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16					
NALYUT	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
NK34LP	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					

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

NN2EGP	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
NY2RXP	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
PEWZPE	GlobalFiler™ Express					
	12,15	17,19	11,14	14,15	11,12	
	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
PKPZ4B	PowerPlex® 35GY					
	12,15	17,19	11,14	14,15	11,12	
	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23	14,16	7	10,11
	15,16					
PM7Y6R	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	NA
	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	NA	NA	14,16	7,7	10,11
	15,16	NA	NA	NA	NA	
Q7HHM8	GlobalFiler™ (STRmix)					
	12,15	17,19	11,14	14,15	11,12	
	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12
	20,26			14,16	7	10,11
	15,16					
Q8DYY4	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				

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

Q8WZQD	PowerPlex® Fusion					
		12,15	17,19	11,14	14,15	11,12
1		8,8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	X,X 12,12
		20,26	9,13	17,23		7,7 10,11
		15,16	ND			
QC6BUZ	GlobalFiler™					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	X,X 12
		20,26			14,16	7 10,11
		15,16	NM			NM
QFMLVB	PowerPlex® Fusion 5C					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	X 12
		20,26	9,13	17,23		7 10,11
		15,16				
QTBRKY	PowerPlex® Fusion					
		12,15	17,19	11,14	14,15	11,12
1		8,8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	X,X 12,12
		20,26	9,13	17,23		7,7 10,11
		15,16	ND			
R3CFCW	PowerPlex® Fusion					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	X,X 12
		20,26	9,13	17,23		7 10,11
		15,16				
R48XEX	PowerPlex® Fusion					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	X 12
		20,26	9,13	17,23		7 10,11
		15,16	NR			
R4AP7D	GlobalFiler™ Express					
		12,15	17,19	11,14	14,15	11,12
1		8,8	12,15	13,15	19,22	12,13 9,15
		12,14	14,15	28,29	14,17	X,X 12,12
		20,26			14,16	7,7 10,11
		15,16	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

R8CJAB	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
R8Q6JC	GlobalFiler™ (STR Mix 2.13.0)					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16					
R9GBWW	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16	ND				
RDVVZW	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12
	20,26			14,16	7	10,11
	15,16	NM			NM	
RKBRKX	PowerPlex® Fusion, 21, Verifiler Express					
	12,15	17,19	11,14	14,15	11,12	11,13
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16					
RNN3LN	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
RQWMKF	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					

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

RRR6LG	GlobalFiler™ Express					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16	NR			NR	
RUHUXR	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	NA
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	NA	NA	14,16	7,7	10,11
	15,16	NA	NA	NA	NA	
RXHHM6	Investigator® 24plex QS					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16					
T2FFB3	PowerPlex® Fusion 6C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23	14,16	7,7	10,11
	15,16					
T42ZHR	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
T6V2U	GlobalFiler™ PCR Amplification Kit					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16					
T6YFPX	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12
	20,26			14,16	7	10,11
	15,16	NM			NM	

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

T6ZBCA	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16	ND				
TARF6E	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	Not detected				
TEYN2H	PowerPlex® 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
TFRJJK	Investigator® 24plex					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16	N/A				
TGTR2B	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				
TH3WEY	GlobalFiler™ Express					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
TJWMKE	GlobalFiler™ Express					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16	No Results			No 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

TJYEGZ	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				
TMH8R4	Investigator® 24plex QS					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16					
TNMWUC	GlobalFiler™ Express					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16	NR			NR	
TWKUFU	PowerPlex® Fusion 6C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23	14,16	7,7	10,11
	15,16					
TX8VBQ	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16	NR			NR	
TXF4YB	GlobalFiler™ Express					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16	-			-	
U3AJNB	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16	0,0			0,0	

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

U4H4HL	PowerPlex® Fusion					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26	9,13	17,23		7
		15,16				10,11
UFU7PV	PowerPlex® Fusion 5C					
		12,15	17,19	11,14	14,15	11,12
1		8,8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	XX
		20,26	9,13	17,23		7,7
		15,16				10,11
UGMWVA	PowerPlex® Fusion 5C (STRmix)					
		12,15	17,19	11,14	14,15	11,12
1		8,8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	XX
		20,26	9,13	17,23		7,7
		15,16	ND			10,11
UK6JLH	PowerPlex® Fusion					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26	9,13	17,23		7
		15,16				10,11
UQUET8	PowerPlex® Fusion 5C					
		12,15	17,19	11,14	14,15	11,12
1		8,8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	XX
		20,26	9,13	17,23	-	7,7
		15,16	-	-	-	-
UV6RB7	PowerPlex® 5C					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26	9,13	17,23		7
		15,16				10,11
UVND4W	GlobalFiler™					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	XX
		20,26			14,16	7
		15,16	NM			10,11
						NM

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

V27Q9J	Investigator® 24plex					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16	NA				
V2RTC6	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16					
V648PJ	PowerPlex® Fusion 5c					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
VC9LH7	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16					
VMUQP7	PowerPlex® Fusion 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				
VRKZY4	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26			14,16	7,7	10,11
	15,16					
VW4E34	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16	ND				

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

WPGG9	GlobalFiler™					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26			14,16	7
		15,16				10,11
WX3GT	GlobalFiler™					
		12,15	17,19	11,14	14,15	11,12
1		8,8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	XX
		20,26			14,16	7,7
		15,16				10,11
VXUAB7	PowerPlex® Fusion					
		12,15	17,19	11,14	14,15	11,12
1		8,8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	XX
		20,26	9,13	17,23		7,7
		15,16	ND			10,11
VYHPF9	PowerPlex® Fusion					
		12,15	17,19	11,14	14,15	11,12
1		8,8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	XX
		20,26	9,13	17,23		7,7
		15,16	ND			10,11
VYKEMQ	PowerPlex® Fusion 5C					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26	9,13	17,23		7
		15,16	NR			10,11
WJ4483	GlobalFiler™					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26			14,16	7
		15,16				10,11
WQPYBR	PowerPlex® Fusion 5C (STRmix)					
		12,15	17,19	11,14	14,15	11,12
1		8	12,15	13,15	19,22	12,13
		12,14	14,15	28,29	14,17	X
		20,26	9,13	17,23		7
		15,16				10,11

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

WTKCJJ	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16	-				
WU3JFR	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12
	20,26			14,16	7	10,11
	15,16	NM			NM	
WXHQBE	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
XENTUY	PowerPlex® Fusion 6C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23	14,16	7,7	10,11
	15,16					
XHAD2N	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					
XHN4QX	PowerPlex® Fusion 6C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23	14,16	7,7	10,11
	15,16					
XM4E43	GlobalFiler™ (STRmix)					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26			14,16	7	10,11
	15,16					

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

XP2K8G	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26			14,16	7,7	10,11
	15,16					
XVDZPB	GlobalFiler™ Express					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26			14,16	7,7	10,11
	15,16	NR			NR	
Y2C8ZE	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16					
YGBWXP	GlobalFiler™					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12
	20,26			14,16	7	10,11
	15,16	NM			NM	
YHKRQ9	PowerPlex® 5C					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16					
YZJUJ7	GlobalFiler™ Express					
	12,15	17,19	11,14	14,15	11,12	
1	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26			14,16	7,7	10,11
	15,16	NR			NR	
Z2C8LP	PowerPlex® Fusion					
	12,15	17,19	11,14	14,15	11,12	
1	8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X	12
	20,26	9,13	17,23		7	10,11
	15,16	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

ZA76G6	PowerPlex® Fusion						
		12,15	17,19	11,14	14,15	11,12	
	1	8,8	12,15	13,15	19,22	12,13	9,15
		12,14	14,15	28,29	14,17	X,X	12,12
		20,26	9,13	17,23		7,7	10,11
	15,16	nd					
ZC6BGD	PowerPlex® Fusion						
		12,15	17,19	11,14	14,15	11,12	
	1	8	12,15	13,15	19,22	12,13	9,15
		12,14	14,15	28,29	14,17	X	12
		20,26	9,13	17,23		7	10,11
	15,16						
ZGKLUG	PowerPlex® Fusion						
		12,15	17,19	11,14	14,15	11,12	
	1	8	12,15	13,15	19,22	12,13	9,15
		12,14	14,15	28,29	14,17	X	12
		20,26	9,13	17,23		7	10,11
	15,16						
ZQBJPL	PowerPlex®						
		12,15	17,19	11,14	14,15	11,12	
	1	8,8	12,15	13,15	19,22	12,13	9,15
		12,14	14,15	28,29	14,17	X,X	12,12
		20,26	9,13	17,23	14,16	7,7	10,11
	15,16						
ZRQ4EQ	PowerPlex® Fusion 5C						
		12,15	17,19	11,14	14,15	11,12	
	1	8,8	12,15	13,15	19,22	12,13	9,15
		12,14	14,15	28,29	14,17	X,X	12,12
		20,26	9,13	17,23		7,7	10,11
	15,16	ND					
ZVNFH3	GlobalFiler™						
		12,15	17,19	11,14	14,15	11,12	
	1	8	12,15	13,15	19,22	12,13	9,15
		12,14	14,15	28,29	14,17	X	12
		20,26			14,16	7	10,11
	15,16						
ZZFQAT	GlobalFiler™ Express						
		12,15	17,19	11,14	14,15	11,12	
	1	8	12,15	13,15	19,22	12,13	9,15
		12,14	14,15	28,29	14,17	X	12
		20,26			14,16	7	10,11
	15,16						

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

24VJXZ	PowerPlex® Fusion 5C					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
266NBN	PowerPlex® Fusion					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
274VF2	PowerPlex® Fusion (STRmix)					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
27XJUQ	GlobalFiler™					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
27YEG4	PowerPlex® Fusion					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
27Z7DQ	PowerPlex® Fusion 5C, 23					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
2D2NNV	GlobalFiler™					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			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

2HFX2Z	PowerPlex® Fusion 5C					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
2KE46D	PowerPlex® Fusion 5C					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
2MTWGY	GlobalFiler™ (STRmix)					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
2QH8VC	Investigator® 24plex					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11				
2XU824	PowerPlex® Fusion					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
33J44Y	PowerPlex® Fusion 5C					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
33VXLK	PowerPlex® Fusion					
	12,17	23,24	14,14	15,16	11,13	not tested
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15	not tested	7,9	8,9
	16,16	11	not tested	not tested	not tested	

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

39GK4D	PowerPlex® Fusion					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16	11			
3CE47C	GlobalFiler™					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16,16	11			2
3DHUVY	GlobalFiler™ (STRmix)					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16	11			2
3EQ9UR	Investigator® 24plex QS					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16,16	11			
3J7J8V	GlobalFiler™					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16	11			2
3J7NKJ	PowerPlex® Fusion 6C					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15	18,20	7,9 8,9
		16	11	17	16	
46F89Q	Investigator® 24plex QS					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16,16	11			

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

4AATT9	PowerPlex® Fusion 5C					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
4GTWZB	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
4H6BCG	GlobalFiler™					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			2	
4KWZ8V	GlobalFiler™ (STRmix)					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
4M4MCM	PowerPlex® Fusion 5C					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
4ZADEV	Investigator® 24plex QS					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11				
68WFNC	GlobalFiler™					
	12,17	23,24	14,14	15,16	11,13	N/A
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	N/A	N/A	18,20	7,9	8,9
	16,16	11	N/A	N/A	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

69TW29	PowerPlex® Fusion					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16	11			
6D87ZN	PowerPlex® Fusion					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16,16	11			
6DV4WX	GlobalFiler™					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16	11			2
6WKQWR	GlobalFiler™ (STRmix)					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16,16	11			2
6XF79P	GlobalFiler™ Express					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16	11			2
6XG784	GlobalFiler™					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16	11			2
7R9YPZ	GlobalFiler™					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16	11			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

8AJEXK	GlobalFiler™					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16	11			2
8AL2GJ	PowerPlex® Fusion					
		12,17	23,24	14,14	15,16	11,13 NT
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15	NT	7,9 8,9
		16,16	11	NT	NT	NT
8NLKFW	PowerPlex® Fusion					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16,16	11			
8NYWNA	GlobalFiler™					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16,16	11			2
8Q8KHX	GlobalFiler™					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16,16	11			2
8TBPY9	PowerPlex® Fusion					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16	11			
8WA4JD	GlobalFiler™					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16,16	11			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

8X9WDU	PowerPlex® Fusion 6C					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15	18,20	7,9	8,9
	16	11	17	16		
8ZE8LR	PowerPlex® Fusion 5C					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
999K7R	PowerPlex® 35GY					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15	18,20	7,9	8,9
	16	11				
9C7B4Q	GlobalFiler™					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
9ERUBF	PowerPlex® Fusion (STRmix)					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
9FLKGU	GlobalFiler™					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
9KBPY7	PowerPlex® ESI, ESX, Fusion 5C					
	12,17	23,24	14	15,16	11,13	-
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15	18,20	7,9	8,9
	16	11	-	-	-	

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

9NU2G9	GlobalFiler™					
	12,17	23,24	14,14	15,16	11,13	N/A
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	N/A	N/A	18,20	7,9	8,9
	16,16	11	N/A	N/A	2	
9T6UT8	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
9TTLZQ	GlobalFiler™ (STRmix™)					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
A23EKK	Investigator® 24plex QS					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11				
A3W6QZ	GlobalFiler™ Express					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			2	
A832AZ	GlobalFiler™ Express					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			2	
A86QGH	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				

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

AQ2W6C	PowerPlex® 5C					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11
		13,14	13,14	28,31	16	X,Y
		21,26	9,14	7,15	--	7,9
		16	11	-----	-----	-----
AUZBQF	NGM SElect					
		12,17	23,24	14,14	15,16	
2			14,16	13,14	19,19	10,13
		13,14	13,14	28,31	16,16	X,Y
		21,26			18,20	7,9
		16,16				
B4MQWV	PowerPlex® Fusion					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11
		13,14	13,14	28,31	16,16	X,Y
		21,26	9,14	7,15		7,9
		16,16	11			
BCZKAD	PowerPlex® Fusion 6C (LRmix)					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11
		13,14	13,14	28,31	16,16	X,Y
		21,26	9,14	7,15	18,20	7,9
		16,16	11	17	16	
BH2EY9	GlobalFiler™					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11
		13,14	13,14	28,31	16,16	X,Y
		21,26			18,20	7,9
		16,16	11			2
BKCW7B	PowerPlex® Fusion					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11
		13,14	13,14	28,31	16	X,Y
		21,26	9,14	7,15		7,9
		16	11			
BKRBHQ	PowerPlex® Fusion 6C					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11
		13,14	13,14	28,31	16,16	X,Y
		21,26	9,14	7,15	18,20	7,9
		16,16	11	17	16	

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

BQA9U2	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
BR8WJH	PowerPlex® Fusion 5C					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
BYUPVG	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
C6TZE2	PowerPlex® Fusion 5C					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
CFUWMN	PowerPlex® Fusion 5C					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
CJRZ76	PowerPlex® 5c					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
CTXHPD	PowerPlex® Fusion 5C					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				

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

CUCNBV	PowerPlex® Fusion					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
CY2T8	GlobalFiler™					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			2	
D28BDE	GlobalFiler™					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
D2RP9J	Investigator® 24plex QS					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11				
D4YZ9T	GlobalFiler™					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			2	
D62RG3	PowerPlex® Fusion 6C					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15	18,20	7,9	8,9
	16,16	11	17	16		
D8DVNQ	GlobalFiler™					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			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

DAVJU6	GlobalFiler™					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16,16	11			2
DLF9YW	GlobalFiler™ Express					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16,16	11			2
DU8L2G	PowerPlex® 5C					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16	11			
DX76ZU	PowerPlex® Fusion					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16,16	11			
DX8XWG	PowerPlex® Fusion 5C					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16,16	11			
DZCMYP	PowerPlex® Fusion 5C					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16,16	11			
ENE7MU	GlobalFiler™					
		12,17	23,24	14,14	15,16	11,13 --
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	--	--	18,20	7,9 8,9
		16,16	11	--	--	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

EPAPNV	GlobalFiler™					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
EWRZB	PowerPlex® Fusion 5c, Verifiler+					
	12,17	23,24	14	15,16	11,13	11,18
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11			2	
EZDVPN	PowerPlex® Fusion					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
F2C6ZY	NGM SElect					
	12,17	23,24	14,14	15,16		
2		14,16	13,14	19,19		10,13
	13,14	13,14	28,31	15,16	X,Y	
	21,26			18,20	7,9	
	16,16					
F6ZCN3	GlobalFiler™					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			2	
FB2NKY	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
FNWCLJ	GlobalFiler™ (STRmix)					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			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

FRG8MQ	GlobalFiler™ Express					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			2	
FVRHFK	PowerPlex® Fusion					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
FWL6UA	GlobalFiler™ (GeneMapper ID-X 1.6)					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			14,16	
FWNTD9	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
G3RYN6	PowerPlex®					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15	18,20	7,9	8,9
	16,16	11	17	16		
G42NKW	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
G76LPX	PowerPlex® Fusion 5c					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				

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

GMV24L	PowerPlex® Fusion						
		12,17	23,24	14,14	15,16	11,13	
	2	9,3,10	14,16	13,14	19,19	9,11	10,13
		13,14	13,14	28,31	16,16	X,Y	10,13
		21,26	9,14	7,15		7,9	8,9
	16,16	11					
GWZCNZ	PowerPlex® Fusion 5C						
		12,17	23,24	14	15,16	11,13	
	2	9,3,10	14,16	13,14	19	9,11	10,13
		13,14	13,14	28,31	16	X,Y	10,13
		21,26	9,14	7,15		7,9	8,9
	16	11					
GZYMKZ	PowerPlex® 5C						
		12,17	23,24	14	15,16	11,13	
	2	9,3,10	14,16	13,14	19	9,11	10,13
		13,14	13,14	28,31	16	X,Y	10,13
		21,26	9,14	7,15		7,9	8,9
	16	11					
H2XLPJ	PowerPlex® Fusion 5C						
		12,17	23,24	14	15,16	11,13	
	2	9,3,10	14,16	13,14	19	9,11	10,13
		13,14	13,14	28,31	16	X,Y	10,13
		21,26	9,14	7,15		7,9	8,9
	16	11					
H8FHZU	PowerPlex® Fusion 5c						
		12,17	23,24	14	15,16	11,13	
	2	9,3,10	14,16	13,14	19	9,11	10,13
		13,14	13,14	28,31	16	X,Y	10,13
		21,26	9,14	7,15		7,9	8,9
	16	11					
HANB2D	Investigator® 24plex QS						
		12,17	23,24	14,14	15,16	11,13	
	2	9,3,10	14,16	13,14	19,19	9,11	10,13
		13,14	13,14	28,31	16,16	X,Y	10,13
		21,26			18,20	7,9	8,9
	16,16	11					
HB3T6J	PowerPlex® Fusion 6C						
		12,17	23,24	14	15,16	11,13	
	2	9,3,10	14,16	13,14	19	9,11	10,13
		13,14	13,14	28,31	16	X,Y	10,13
		21,26	9,14	7,15	18,20	7,9	8,9
	16	11	17	16			

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

HPYWMP	PowerPlex® Fusion 5C					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
HUB3ZA	GlobalFiler™ Express					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
HUFD2M	GlobalFiler™					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
HY7VU6	GlobalFiler™					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
HYNKHR	GlobalFiler™					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			2	
J7MHRF	GlobalFiler™ (STRmix)					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
J8H2TG	GlobalFiler™					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			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

J9T3EF	GlobalFiler™ (STRMIX)					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
JF29UZ	GlobalFiler™					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			2	
JF8XAN	GlobalFiler™					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
JFANF8	PowerPlex® Fusion					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
JG4ELL	PowerPlex® Fusion					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
JG67H9	PowerPlex® Fusion 5C					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
JTXLPH	GlobalFiler™ (STRmix)					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			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

JXK3PV	PowerPlex® Fusion					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
	16	11				
K2L6XM	GlobalFiler™					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
	16	11			2	
K3CWW	PowerPlex® Fusion					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
	16	11				
K4VTW2	PowerPlex® Fusion 6C					
		12,17	23,24	14,14	15,16	11,13
	2	9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15	18,20	7,9 8,9
	16,16	11	17	16		
K4WNJD	GlobalFiler™					
		12,17	23,24	14,14	15,16	11,13
	2	9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26			18,20	7,9 8,9
	16,16	11			2	
KGXJFK	GlobalFiler™ Express					
		12,17	23,24	14,14	15,16	11,13
	2	9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26			18,20	7,9 8,9
	16,16	11			2	
KHVRN4	PowerPlex® Fusion 5C					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
	16	11				

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

KKWX3A	Investigator® 24plex QS					
		12,17	23,24	14,14	15,16	11,13
	2	9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26			18,20	7,9 8,9
	16,16	11				
KNYR6L	GlobalFiler™					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
	16	11			2	
KPB9FE	GlobalFiler™					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
	16	11			2	
KRTE8V	PowerPlex® Fusion					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
	16	11				
KVC8HX	GlobalFiler™					
		12,17	23,24	14,14	15,16	11,13
	2	9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26			18,20	7,9 8,9
	16,16	11			2	
KX7BHP	GlobalFiler™					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
	16	11			2	
L9H3J6	GlobalFiler™					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
	16	11			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

L9KP34	PowerPlex® Fusion 5C					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
LCWX2M	GlobalFiler™					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			2	
LDRF23	PowerPlex® Fusion 6C					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15	18,20	7,9	8,9
	16	11	17	16		
LHHE7R	GlobalFiler™					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			2	
LKE7R6	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
LL82A8	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
LRXAY8	GlobalFiler™ Express					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			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

LT2UAA	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
LTHZDQ	PowerPlex® Fusion 5C					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
LW3RNT	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
M8JCU2	PowerPlex® Fusion (STRmix)					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
M8NPKJ	GlobalFiler™					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
M9GMNJ	GlobalFiler™ Express					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			2	
MBHQF7	GlobalFiler™ Express					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			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

MCE7R3	PowerPlex® Fusion 5C					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
MCGJJ	GlobalFiler™ Express					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			2	
MD7LVT	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
MEKNQX	PowerPlex® Fusion 5C					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
MMRQ3T	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
MRRET7	GlobalFiler™ Express					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
N42CBE	PowerPlex® Fusion					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				

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

N4B7JU	GlobalFiler™					
		12,17	23,24	14,14	15,16	11,13 NA
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	NA	NA	18,20	7,9 8,9
		16,16	11	NA	NA	2
N6WYP4						
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16,16	11			
N9W79G	PowerPlex® Fusion					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16,16	11			
NA3N7C	PowerPlex® Fusion					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16,16	11			
NALYUT	PowerPlex® Fusion					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16	11			
NK34LP	PowerPlex® Fusion 5C					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16	11			
NN2EGP	PowerPlex® Fusion					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16	11			

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

NY2RXP	PowerPlex® Fusion						
		12,17	23,24	14	15,16	11,13	
	2	9,3,10	14,16	13,14	19	9,11	10,13
		13,14	13,14	28,31	16	X,Y	10,13
		21,26	9,14	7,15		7,9	8,9
	16	11					
PEWZPE	GlobalFiler™ Express						
		12,17	23,24	14	15,16	11,13	
	2	9,3,10	14,16	13,14	19	9,11	10,13
		13,14	13,14	28,31	16	X,Y	10,13
		21,26			18,20	7,9	8,9
	16	11			2		
PKPZ4B	PowerPlex® 35GY						
		12,17	23,24	14	15,16	11,13	
	2	9,3,10	14,16	13,14	19	9,11	10,13
		13,14	13,14	28,31	16	X,Y	10,13
		21,26	9,14	7,15	18,20	7,9	8,9
	16						
PM7Y6R	GlobalFiler™						
		12,17	23,24	14,14	15,16	11,13	NA
	2	9,3,10	14,16	13,14	19,19	9,11	10,13
		13,14	13,14	28,31	16,16	X,Y	10,13
		21,26	NA	NA	18,20	7,9	8,9
	16,16	11	NA	NA	2		
Q7HHM8	GlobalFiler™ (STRmix)						
		12,17	23,24	14	15,16	11,13	
	2	9,3,10	14,16	13,14	19	9,11	10,13
		13,14	13,14	28,31	16	X,Y	10,13
		21,26			18,20	7,9	8,9
	16	11			2		
Q8DYY4	PowerPlex® Fusion 5C						
		12,17	23,24	14,14	15,16	11,13	
	2	9,3,10	14,16	13,14	19,19	9,11	10,13
		13,14	13,14	28,31	16,16	X,Y	10,13
		21,26	9,14	7,15		7,9	8,9
	16,16	11					
Q8WZQD	PowerPlex® Fusion						
		12,17	23,24	14,14	15,16	11,13	
	2	9,3,10	14,16	13,14	19,19	9,11	10,13
		13,14	13,14	28,31	16,16	X,Y	10,13
		21,26	9,14	7,15		7,9	8,9
	16,16	11					

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

QC6BUZ	GlobalFiler™					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
QFMLVB	PowerPlex® Fusion 5C					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
QTBKRY	PowerPlex® Fusion					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
R3CFCW	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
R48XEX	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
R4AP7D	GlobalFiler™ Express					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			2	
R8CJAB	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				

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

R8Q6JC	GlobalFiler™ (STR Mix 2.13.0)					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			2	
R9GBWW	PowerPlex® Fusion 5C					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
RDVVZW	GlobalFiler™					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
RKBRKX	PowerPlex® Fusion, 21, Verifiler Express					
	12,17	23,24	14,14	15,16	11,13	11,18
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11			2	
RNN3LN	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
RQWMKF	PowerPlex®, GlobalFiler™					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
RRR6LG	GlobalFiler™ Express					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			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

RUHUXR	GlobalFiler™					
	12,17	23,24	14,14	15,16	11,13	NA
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	NA	NA	18,20	7,9	8,9
	16,16	11	NA	NA	2	
RXHHM6	Investigator® 24plex QS					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11				
T2FFB3	PowerPlex® Fusion 6C					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15	18,20	7,9	8,9
	16,16	11	17	16		
T42ZHR	GlobalFiler™					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
T6VV2U	GlobalFiler™ PCR Amplification Kit					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			2	
T6YFPX	GlobalFiler™					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
T6ZBCA	PowerPlex® Fusion 5C					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				

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

TARF6E	PowerPlex® Fusion					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
TEYN2H	PowerPlex® 5C					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
TFRJJK	Investigator® 24plex					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11				
TGTR2B	PowerPlex® Fusion 5C					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
TH3WEY	GlobalFiler™ Express					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
TJWMKE	GlobalFiler™ Express					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			2	
TJYEGZ	PowerPlex® Fusion					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				

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

TMH8R4	Investigator® 24plex QS					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11				
TNMWUC	GlobalFiler™ Express					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			2	
TWKUFU	PowerPlex® Fusion 6C					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15	18,20	7,9	8,9
	16,16	11,11	17,17	16,16		
TX8VBQ	GlobalFiler™					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11			2	
TXF4YB	GlobalFiler™ Express					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
U3AJNB	GlobalFiler™					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11,0			2,0	
U4H4HL	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				

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

UFU7PV	PowerPlex® Fusion 5C					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
UGMWVA	PowerPlex® Fusion 5C					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16,16	11				
UK6JLH	PowerPlex® Fusion					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
UQUET8	PowerPlex® Fusion 5C					
	12,17	23,24	14,14	15,16	11,13	-
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26	9,14	7,15	-	7,9	8,9
	16,16	11	-	-	-	
UV6RB7	PowerPlex® 5C					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26	9,14	7,15		7,9	8,9
	16	11				
UVND4W	GlobalFiler™					
	12,17	23,24	14	15,16	11,13	
2	9,3,10	14,16	13,14	19	9,11	10,13
	13,14	13,14	28,31	16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16	11			2	
V27Q9J	Investigator® 24plex					
	12,17	23,24	14,14	15,16	11,13	
2	9,3,10	14,16	13,14	19,19	9,11	10,13
	13,14	13,14	28,31	16,16	X,Y	10,13
	21,26			18,20	7,9	8,9
	16,16	11				

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

V2RTC6	GlobalFiler™					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16,16	11			2
V648PJ	PowerPlex® Fusion 5c					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16	11			
VC9LH7	PowerPlex® Fusion 5C					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16,16	11			
VMUQP7	PowerPlex® Fusion 5C					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16,16	11			
VRKZY4	GlobalFiler™					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16,16	11			2
VW4E34	PowerPlex® Fusion					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16,16	11			
WPGG9	GlobalFiler™					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16	11			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

WX3GT	GlobalFiler™					
		12,17	23,24	14,14	15,16	11,13
	2	9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26			18,20	7,9 8,9
	16,16	11			2	
VXUAB7	PowerPlex® Fusion					
		12,17	23,24	14,14	15,16	11,13
	2	9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
	16,16	11				
VYHPF9	PowerPlex® Fusion					
		12,17	23,24	14,14	15,16	11,13
	2	9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
	16,16	11				
VYKEMQ	PowerPlex® Fusion 5C					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
	16	11				
WJ4483	GlobalFiler™					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
	16	11			2	
WQPYBR	PowerPlex® Fusion 5C (STRmix)					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
	16	11				
WTKCJJ	PowerPlex® Fusion					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		16,21	9,14	7,15		7,9 8,9
	16	11				

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

WU3JFR	GlobalFiler™					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
	16	11			2	
WXHQBE	PowerPlex® Fusion					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
	16	11				
XENTUY	PowerPlex® Fusion 6C					
		12,17	23,24	14,14	15,16	11,13
	2	9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15	18,20	7,9 8,9
	16,16	11	17	16		
XHAD2N	GlobalFiler™					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
	16	11			2	
XHN4QX	PowerPlex® Fusion 6C					
		12,17	23,24	14,14	15,16	11,13
	2	9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15	18,20	7,9 8,9
	16,16	11	17	16		
XM4E43	GlobalFiler™ (STRmix)					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
	16	11			2	
XP2K8G	GlobalFiler™					
		12,17	23,24	14,14	15,16	11,13
	2	9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26			18,20	7,9 8,9
	16,16	11,11			2,2	

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

XVDZPB	GlobalFiler™ Express					
		12,17	23,24	14,14	15,16	11,13
	2	9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26			18,20	7,9 8,9
	16,16	11			2	
Y2C8ZE	PowerPlex® Fusion					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
	16	11				
YGBWXP	GlobalFiler™					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
	16	11			2	
YHKRQ9	PowerPlex® 5C					
		12,17	23,24	14,14	15,16	11,13
	2	9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
	16,16	11				
YZJUJ7	GlobalFiler™ Express					
		12,17	23,24	14,14	15,16	11,13
	2	9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26			18,20	7,9 8,9
	16,16	11			2	
Z2C8LP	PowerPlex® Fusion					
		12,17	23,24	14	15,16	11,13
	2	9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
	16	11				
ZA76G6	PowerPlex® Fusion					
		12,17	23,24	14,14	15,16	11,13
	2	9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
	16,16	11				

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

ZC6BGD	PowerPlex® Fusion					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16	11			
ZGKLUG	PowerPlex® Fusion					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16	11			
ZQBJPL	PowerPlex®					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15	18,20	7,9 8,9
		16,16	11	17	16	
ZRQ4EQ	PowerPlex® Fusion 5C					
		12,17	23,24	14,14	15,16	11,13
2		9,3,10	14,16	13,14	19,19	9,11 10,13
		13,14	13,14	28,31	16,16	X,Y 10,13
		21,26	9,14	7,15		7,9 8,9
		16,16	11			
ZVNFH3	GlobalFiler™					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16	11			2
ZZFQAT	GlobalFiler™ Express					
		12,17	23,24	14	15,16	11,13
2		9,3,10	14,16	13,14	19	9,11 10,13
		13,14	13,14	28,31	16	X,Y 10,13
		21,26			18,20	7,9 8,9
		16	11			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 3 - STR Results

3CE47C	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
9C7B4Q	GlobalFiler™					
	[12],[15],17.3	17,[19]	11,14	[14],15,17	11,[12]	
	8,9,12	12,15	[13],14,15	18,[19],[22]	10,12,[13]	[9],11,[15]
	[12],14,16	13,14,[15]	[28],[29],30,31.2	[14],16,[17]	X,Y	10,11,[12]
	[20],22,25,[26]			[14],[16],23.2,24.2	[7],9,9.3	[10],11
	[15],16,17	10			2	
9KBPY7	PowerPlex® ESI, ESX, Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,[12]	-
	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	-	-	-	
BCZKAD	PowerPlex® Fusion 6C (LRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	17	17		
EWRZZB	PowerPlex® Fusion 5c and 35GY, Verifiler+					
	12,15,17.3	17,19	11,14	14,15,17	11,12	11,12,13
	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	11
	15,16,17	10			2	
F2C6ZY	NGM SElect					
	12,15,17.3	17,19	11,14	14,15,17		
	8,9,12	12,15	13,14,15	18,19,22		9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	
	15,16,17					
K4VTW2	PowerPlex® Fusion 6C (CaseSolver, LRMixStudio, LabRetriever, DNAView, EFM)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	17	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 3 - STR Results

T2FFB3	PowerPlex® Fusion 6C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	17	17		
WTKCJJ	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
XENTUY	PowerPlex® Fusion 6C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	17	17		
XHN4QX	PowerPlex® Fusion 6C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	17	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 3e - STR Results

24VJXZ	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
266NBN	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
274VF2	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
27XJUQ	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
27YEG4	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
27Z7DQ	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
2D2NNV	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 3e - STR Results

2HFX2Z	PowerPlex® Fusion 5C (STRmix 2.9.0)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
2KE46D	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
2MTWGY	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
2QH8VC	Investigator® 24plex (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10				
2XU824	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
33J44Y	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
33VXLK	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	not tested
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	not tested	7,9,9.3	10,11
	15,16,17	10	not tested	not tested	not tested	

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 3e - STR Results

39GK4D	PowerPlex® Fusion (True Allele)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
3DHUVY	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
3EQ9UR	Investigator® 24plex QS					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10				
3J7J8V	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
3J7NKJ	PowerPlex® Fusion 6C (STRmix v 2.9)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	17	17		
46F89Q	Investigator® 24plex QS					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10				
4AATT9	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 3e - STR Results

4GTWZB	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
4H6BCG	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
4KWZ8V	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
4M4MCM	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
4ZADEV	Investigator® 24plex QS					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10				
68WFNC	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	N/A
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	N/A	N/A	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	N/A	N/A	2	
69TW29	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 3e - STR Results

6D87ZN	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
6DV4WX	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
6WKQWR	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
6XF79P	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,16,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
6XG784	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
7R9YPZ	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
8AJEXK	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 3e - STR Results

8AL2GJ	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	NT
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	NT	7,9,9.3	10,11
	15,16,17	10	NT	NT	NT	
8NLKFW	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
8NYWNA	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
8Q8KHX	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
8TBPY9	PowerPlex® Fusion (TrueAllele)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
8WA4JD	GlobalFiler™					
	12,15,17.3	17,[19]	11,14	14,15,[17]	11,[12]	
3e	8,[9],[12]	12,15	13,[14],15	[18],19,22	[10],12,13	9,[11],15
	12,14,[16]	[13],14,[15]	28,29,[30],[31.2]	14,16,17	X,[Y]	[10],[11],12
	20,[22],[25],26			14,16,[23.2],[24.2]	7,[9],[9.3]	10,11
	15,16,[17]	10			2	
8X9WDU	PowerPlex® Fusion 6C					
	12,15,17.3	17,[19]	11,14	14,15,[17]	11,[12]	
3e	8,[9],[12]	12,15	13,[14],15	18,19,22	[10],12,13	9,11,15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,16,17	X,[Y]	[10],[11],12
	20,22,25,26	9,[12],13	12,15,17,23	14,16,[23.2],[24.2]	7,[9],[9.3]	[10],11
	15,16,[17]	10	17	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 3e - STR Results

8ZE8LR	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
999K7R	PowerPlex® 35GY (STRmix v2.12)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10				
9ERUBF	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
9FLKGU	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
9NU2G9	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	N/A
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	N/A	N/A	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	N/A	N/A	2	
9T6UT8	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
9TTLZQ	GlobalFiler™ (STRmix™)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 3e - STR Results

A23EKK	Investigator® 24plex QS					
	12,15,[17.3]	17,19	11,14	14,15,[17]	11,12	
3e	8,[9],[12]	12,15	13,[14],15	18,19,22	[10],12,13	9,11,15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,16,17	X,Y	[10],12
	20,[22],[25],26			14,16,[23.2],[24.2]	7,[9],[9.3]	10,11
	15,16,[17]	[10]				
A3W6QZ	GlobalFiler™					
	12,15,[17.3]	17,19	11,14	14,15,[17]	11,12	
3e	8,8,[9],[12]	12,15	13,[14],15	[18],19,22	[10],12,13	9,[11],15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,[16],17	X,X,[Y]	[10],[11],12,12
	20,[22],[25],26			14,16,[23.2],[24.2]	7,7,[9],[9.3]	10,11
	15,16,[17]	[10]			[2]	
A832AZ	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
A86QGH	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
AQ2W6C	PowerPlex® 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	--
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	-----	7,9,9.3	10,11
	15,16,17	10	-----	-----	-----	
AUZBQF	NGM SElect					
	12,15,17.3	17,19	11,14	14,15,17		
3e		12,15	13,14,15	18,19,22		9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	
	15,16,17					
B4MQWW	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 3e - STR Results

BH2EY9	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
BKCW7B	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
BKRBHQ	PowerPlex® Fusion 6C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	17	17		
BQA9U2	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
BR8WJH	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
BYUPVG	PowerPlex® Fusion (STRmix v2.9)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
C6TZE2	PowerPlex® Fusion 5C					
	[12,15],17.3	17,[19]	11,14	[14],15,17	11,[12]	
3e	[8],9,12	12,15	[13],14,15	18,[19,22]	10,12,[13]	[9],11,[15]
	[12],14,16	13,14,[15]	[28,29],30,31.2	[14],16,[17]	X,Y	10,11,[12]
	[20],22,25,[26]	9,12,[13]	12,15,[17,23]		[7],9,9.3	[10],11
	[15],16,17	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 3e - STR Results

CFUWMN	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
CJRZ76	PowerPlex® 5c					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
CTXHPD	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
CUCNBV	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
CY2TT8	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,[17]	11,[12]	
3e	8,[9],[12]	12,15	[13],[14],15	18,19,22	[10],12,13	9,11,15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,16,17	X,[Y]	[11],12
	20,[22],25,[26]			14,16,[23.2],[24.2]	7,[9],[9.3]	[10],11
	[15],16,[17]	10			2	
D28BDE	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23,2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
D2RP9J	Investigator® 24plex QS					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23,2,24.2	7,9,9.3	10,11
	15,16,17	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 3e - STR Results

D4YZ9T	GlobalFiler™ (STRmix)					
	11,12,14,15,16.3,17.3,Q	16,17,18,19,Q	10,11,13,14,Q	13,14,15,16,17,Q	10,11,12,Q	
3e	7,8,9,11,12,Q	11,12,14,15,Q	12,13,14,15,Q	17,18,19,21,22,Q	9,10,11,12,13,Q	8,9,10,11,14,15,Q
	11,12,13,14,15,16,Q	12,13,14,15,Q	27,28,29,30,31.2,Q	13,14,15,16,17,18,Q	X,Y	10,11,12,Q
	19,20,21,22,24,25,26,Q			13,13.2,14,15,15.2,16.2,2.2,23.2,24.2,Q	6,7,8,9,9.3,Q	10,11,Q
	14,15,16,17,Q	9,10			2	
D62RG3	PowerPlex® Fusion 6C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	17	17		
D8DVNQ	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
DAVJU6	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
DLF9YW	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
DU8L2G	PowerPlex® 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 3e - STR Results

DX76ZU	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
DX8XWG	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
DZCMYP	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
ENE7MU	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	--
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	--	--	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	--	2		
EPAPNV	GlobalFiler™ (STRmix)					
	[12],15,17.3	17,[19]	11,14	14,15,[17]	11,[12]	
	3e 8,[9],[12]	12,15	13,[14],15	18,[19],[22]	[10],12,13	9,11,15
	12,14,[16]	13,14,15	28,29,30,31.2	[14],16,17	X,[Y]	[10],[11],12
	20,22,25,[26]			14,16,[23.2],[24.2]	7,9,9.3	[10],11
	[15],16,[17]	10		2		
EZDVPN	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
F6ZCN3	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 3e - STR Results

FB2NKY	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
FNWCLJ	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
FRG8MQ	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
FVRHFK	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
FWL6UA	GlobalFiler™ (GeneMapper ID-X 1.6)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
FWNTD9	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
G3RYN6	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,[17]	11,12	
3e	8,[9],[12]	12,15	13,[14],15	18,19,22	[10],12,13	9,11,15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,16,17	X,[Y]	[10],[11],12
	20,[22],[25],26			14,16,[23.2],[24.2]	7,[9],[9.3]	10,11
	15,16,[17]	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 3e - STR Results

G42NKW	PowerPlex® Fusion					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3
	15,16,17	10			10,11	
G76LPX	PowerPlex® Fusion 5c					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3
	15,16,17	10			10,11	
GMV24L	PowerPlex® Fusion (STRMix)					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3
	15,16,17	10			10,11	
GWZCNZ	PowerPlex® Fusion 5C					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3
	15,16,17	10			10,11	
GZYMKZ	PowerPlex® 5C					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3
	15,16,17	10			10,11	
H2XLPJ	PowerPlex® Fusion 5C					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3
	15,16,17	10			10,11	
H8FHZU	PowerPlex® Fusion 5c					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3
	15,16,17	10			10,11	

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 3e - STR Results

HANB2D	Investigator® 24plex QS					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10				
HPYWMP	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
HUB3ZA	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15,16	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
HUFD2M	GlobalFiler™ (STRmix 2.9.1)					
	12,15,17.3,Q	17,19,Q	11,14	14,15,17,Q	10,11,12,Q	
3e	8,9,12	12,15	12,13,14,15,Q	18,19,21,22,Q	10,12,13	9,11,15,Q
	12,14,16,Q	13,14,15,Q	28,29,30,31.2	13,14,16,17,Q	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11,Q
	15,16,17,Q	10			2	
HY7VU6	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
HYNKHR	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
J7MHRF	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 3e - STR Results

J8H2TG	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
J9T3EF	GlobalFiler™ (STRMIX)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
JF29UZ	GlobalFiler™					
	12,15,17.3	17,[19]	11,14	14,15,[17]	11,[12]	
3e	8,[9],[12]	12,15	13,[14],15	18,19,22	[10],12,13	9,11,15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,16,17	X,[Y]	[10],[11],12
	20,[22],[25],26			14,16,[23.2],[24.2]	7,9,[9.3]	[10],11
	15,16,[17]	10			2	
JF8XAN	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,[17]	11,12	
3e	8,[9],[12]	12,15	13,[14],15	[18],19,22	[10],12,13	9,11,15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,16,17	X,[Y]	[10],[11],12
	20,[22],[25],26			14,16,[23.2],[24.2]	7,[9],[9.3]	10,11
	15,16,[17]	[10]			[2]	
JFANF8	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
JG4ELL	PowerPlex® Fusion (STRmix v2.9)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,13	12,15,17,23		7,9.3	10,11
	15,16,17	10				
JG67H9	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 3e - STR Results

JTXLPH	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
JXK3PV	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
K2L6XM	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
K3CVV	PowerPlex® Fusion (TrueAllele)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
K4WNJD	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
KGXJFK	GlobalFiler™					
	12,15,[17.3]	17,19	11,14	14,15,[17]	11,12	
3e	8,8,[9],[12]	12,15	13,[14],15	[18],19,22	[10],12,13	9,[11],15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,[16],17	X,X,[Y]	[10],[11],12,12
	20,[22],[25],26			14,16,[23.2],[24.2]	7,7,[9],[9.3]	10,11
	15,16,[17]	[10]			[2]	
KHVRN4	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 3e - STR Results

KKWX3A	Investigator® 24plex QS					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10				
KNYR6L	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	13,14,16,17,18	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11,Q
	15,16,17	10		2		
KPB9FE	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10		2		
KRTE8V	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
KVC8HX	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10		2		
KX7BHP	GlobalFiler™					
	12,15,17.3	17,[19]	11,14	14,15,[17]	11,[12]	
	3e 8,[9],[12]	12,15	13,[14],15	18,19,22	[10],12,13	9,11,15
	12,14,[16]	13,14,15	28,29,[30],[31.2]	14,16,17	X,[Y]	[10],[11],12
	20,[22],[25],26			14,16,[23.2],[24.2]	7,[9],[9.3]	10,11
	15,16,[17]	10		2		
L9H3J6	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 3e - STR Results

L9KP34	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
LCWX2M	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
LDRF23	PowerPlex® Fusion 6C (STRmix v 2.9)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	17	17		
LHHE7R	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
LKE7R6	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
LL82A8	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
LRXAY8	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 3e - STR Results

LT2UAW	PowerPlex® Fusion (TrueAllele)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
LTHZDQ	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
LW3RNT	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
M8JCU2	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,12,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
M8NPKJ	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22,Q	10,12,13	9,11,15,Q
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11,Q
	15,16,17,Q	10			2	
M9GMNJ	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
MBHQF7	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,14,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 3e - STR Results

MCE7R3	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
MCGJJ	GlobalFiler™					
	12,15,[17.3]	17,19	11,14	14,15,[17]	11,12	
3e	8,8,[9],[12]	12,15	13,[14],15	[18],19,22	[10],12,13	9,[11],15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,[16],17	X,X,[Y]	[10],[11],12,12
	20,[22],[25],26			14,16,[23.2],[24.2]	7,7,[9],[9.3]	10,11
	15,16,[17]	[10]			[2]	
MD7LVT	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
MEKNQX	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
MMRQ3T	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
MRRET7	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,16,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,14,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
N42CBE	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 3e - STR Results

N4B7JU	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	NA
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	NA	NA	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	NA	NA	2	
N6WYP4	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
N9W79G	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
NA3N7C	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
NALYUT	PowerPlex® Fusion (TrueAllele)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
NK34LP	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
NN2EGP	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 3e - STR Results

NY2RXP	PowerPlex® Fusion					
	[12],[15],17.3	17,[19]	11,14	[14],15,17	11,[12]	
	3e [8],9,12	12,15	[13],14,15	18,[19],[22]	10,12,[13]	[9],11,[15]
	[12],14,16	13,14,[15]	[28],[29],30,31.2	[14],16,[17]	X,Y	10,11,[12]
	[20],22,25,[26]	9,12,[13]	12,15,[17],[23]		[7],9,9.3	[10],11
	[15],16,17	10				
PEWZPE	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10		2		
PKPZ4B	PowerPlex® 35GY (STRmix 2.12)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17					
PM7Y6R	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	NA
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	NA	NA	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	NA	NA	2	
Q7HHM8	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10		2		
Q8DYY4	PowerPlex® Fusion 5C (STRmix v2.9)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
Q8WZQD	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 3e - STR Results

QC6BUZ	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
QFMLVB	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
QTRBKY	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
R3CFCW	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
R48XEX	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
R4AP7D	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
R8CJAB	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 3e - STR Results

R8Q6JC	GlobalFiler™ (STR Mix 2.13.0)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
R9GBWW	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
RDVVZW	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
RKBRKX	PowerPlex® Fusion, 21, VERIFILER Express					
	12,15	17,19	11,14	14,15	11,12	11,13
3e	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	XX	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16					
RNN3LN	PowerPlex® Fusion (TrueAllele)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
RQWMKF	PowerPlex®, GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
RRR6LG	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 3e - STR Results

RUHUXR	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	NA
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	NA	NA	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	NA	NA	2	
RXHHM6	Investigator® 24plex QS					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10				
T42ZHR	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
T6VV2U	GlobalFiler™ PCR Amplification Kit					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
T6YFPX	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
T6ZBCA	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
TARF6E	PowerPlex® Fusion (STRMix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 3e - STR Results

TEYN2H	PowerPlex® 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
TFRJJK	Investigator® 24plex (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10				
TGTR2B	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
TH3WEY	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,14,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
TJWMKE	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
TJYEGZ	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
TMH8R4	Investigator® 24plex QS					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 3e - STR Results

TNMWUC	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
TWKUFU	PowerPlex® Fusion 6C (DNAxs)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	17	17		
TX8VBQ	GlobalFiler™					
	12,15,17.3	17,[19]	11,14	[14],15,[17]	11,[12]	
3e	8,[9],[12]	12,15	13,[14],15	18,[19],22	[10],12,13	9,11,15
	[12],14,[16]	[13],14,15	28,29,[30],[31.2]	14,16,17	X,[Y]	[10],[11],12
	[20],[22],[25],26			14,16,[23.2],[24.2]	7,[9],[9.3]	[10],11
	15,16,[17]	10			2	
TXF4YB	GlobalFiler™					
	12,15,[17.3]	17,19	11,14	14,15,[17]	11,12	
3e	8,[9,*]	12,15	13,[14],15	[18],19,22	[10],12,13	9,[11],15
	12,14,[16]	[13],14,15	28,29,[30,31.2]	14,[16],17	X,[Y]	[10,11],12
	20,[22,25],26			14,16,[23.2,*]	7,[9,9.3]	10,11
	15,16,[17]	[10]			[2]	
U3AJNB	GlobalFiler™, Yfiler™™ Plus					
	12,15,[17.3,17.3]	[17,17],17,19	11,[11,14],14	14,15,[15,17]	[11,11],11,12	
3e	8,8,[9,12]	12,[12,15],15	13,[14,15],15	[18,18],19,22	[10,12],12,13	9,[11,11],15
	12,14,[14,16]	[13,14],14,15	28,29,[30,31.2]	14,[16,16],17	XX,[X,Y]	[10,11],12,12
	20,[22,25],26			14,16,[23.2,24.2]	7,7,[9,9.3]	10,11,[11,11]
	15,16,[16,17]	[10]			[2]	
U4H4HL	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
UFU7PV	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 3e - STR Results

UGMWVA	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
UK6JLH	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
UQUET8	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	-
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	-	7,9,9.3	10,11
	15,16,17	10	-	-	-	
UV6RB7	PowerPlex® 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
UVND4W	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
V27Q9J	Investigator® 24plex (STRMix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10				
V2RTC6	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 3e - STR Results

V648PJ	PowerPlex® Fusion 5c					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
VC9LH7	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
VMUQP7	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
VRKZY4	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
VW4E34	PowerPlex® Fusion (STRmix 2.9.0)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
WPGG9	GlobalFiler™ (STRMix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
WX3GT	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 3e - STR Results

VXUAB7	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
VYHPF9	PowerPlex® Fusion (STRMIX)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
VYKEMQ	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
WJ4483	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
WQPYBR	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	8,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
WU3JFR	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
WXHQBE	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 3e - STR Results

XHAD2N	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10		2		
XM4E43	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10		2		
XP2K8G	GlobalFiler™, Investigator® 24plex					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10,10		2,2		
XVDZPB	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10		2		
Y2C8ZE	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
YGBWXP	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10		2		
YHKRQ9	PowerPlex® 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
	3e 8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 3e - STR Results

YZJUJ7	GlobalFiler™					
	12,15,[17.3]	17,19	11,14	14,15,[17]	11,12	
3e	8,8,[9],[12]	12,15	13,[14],15	[18],19,22	[10],12,13	9,[11],15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,[16],17	X,X,[Y]	[10],[11],12,12
	20,[22],[25],26			14,16,[23.2],[24.2]	7,7,[9],[9.3]	10,11
	15,16,[17]	[10]			[2]	
Z2C8LP	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
ZA76G6	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9.3	10,11
	15,16,17	nd				
ZC6BGD	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
ZGKLUG	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
ZQBJPL	PowerPlex®					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	17	17		
ZRQ4EQ	PowerPlex® Fusion 5C (STRmix for epithelial fraction only)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 3e - STR Results

ZVNFH3	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
ZZFQAT	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
3e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,24,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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

24VJXZ	PowerPlex® Fusion 5C					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
266NBN	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
274VF2	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
27XJUQ	GlobalFiler™					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
27YEG4	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
27Z7DQ	PowerPlex® Fusion 5C					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
2D2NNV	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11,12
	22,25			23.2,24.2	7,9,9.3	11
	16,17	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

2HFX2Z	PowerPlex® Fusion 5C (STRmix 2.9.0)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
2KE46D	PowerPlex® Fusion 5C					
	[12],[15],17.3	17	11,14	15,17	11	
3sp	9,12	12,15	[13],14,15	18	10,12	11
	14,16	13,14	30,31.2	[14],16	X,Y	10,11,[12]
	22,25,[26]	9,12	12,15		9,9.3	11
	16,17	10				
2MTWGY	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
2QH8VC	Investigator® 24plex (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10				
2XU824	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
33J44Y	PowerPlex® Fusion 5C					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
33VXLK	PowerPlex® Fusion					
	17.3,17.3	17,17	11,14	15,17	11,11	not tested
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15	not tested	9,9.3	11,11
	16,17	10	not tested	not tested	not tested	

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

39GK4D	PowerPlex® Fusion (True Allele)					
	17.3	17	11,14	15,17	11	
3sp	[8],9,12	12,15	[13],14,15	18	10,12	11
	14,16	13,14	[29],30,31.2	16	X,Y	10,11,[12]
	22,25,[26]	9,12	12,15		[7],9,9.3	11
	16,17	10				
3DHUVY	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
3EQ9UR	Investigator® 24plex QS					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10				
3J7J8V	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
3J7NKJ	PowerPlex® Fusion 6C (STRmix v 2.9)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15	23.2,24.2	9,9.3	11
	16,17	10	17	17		
46F89Q	Investigator® 24plex QS					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10				
4AATT9	PowerPlex® Fusion 5C					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	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 3sp - STR Results

4GTWZB	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
4H6BCG	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
4KWZ8V	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
4M4MCM	PowerPlex® Fusion 5C (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
4ZADEV	Investigator® 24plex QS					
	17.3,17.3	17,17,[19]	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10				
68WFNC	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	N/A
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	N/A	N/A	23.2,24.2	9,9.3	11,11
	16,17	10	N/A	N/A	2	
69TW29	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	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 3sp - STR Results

6D87ZN	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
6DV4WX	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
6WKQWR	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
6XF79P	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18,19	10,12,13	11,12
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
6XG784	GlobalFiler™					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
7R9YPZ	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
8AJEXK	GlobalFiler™					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	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

8AL2GJ	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	NT
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15	NT	9,9.3	11,11
	16,17	10	NT	NT	NT	
8NLKFW	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
8NYWNA	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
8Q8KHX	GlobalFiler™ (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
8TBPY9	PowerPlex® Fusion (TrueAllele)					
	17.3	17	11,14	15,17	11,[12]	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11,[12]
	22,25	9,12	12,15		9,9.3	[10],11
	16,17	10				
8WA4JD	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			[16],23.2,24.2	9,9.3	11,11
	16,17	10			2	
8X9WDU	PowerPlex® Fusion 6C					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15	23.2,24.2	9,9.3	11
	16,17	10	17	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 3sp - STR Results

8ZE8LR	PowerPlex® Fusion 5C					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
999K7R	PowerPlex® 35GY (STRmix v2.12)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15	23.2,24.2	9,9.3	11
	16,17	10				
9ERUBF	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
9FLKGU	GlobalFiler™					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
9NU2G9	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	N/A
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	N/A	N/A	23.2,24.2	9,9.3	11,11
	16,17	10	N/A	N/A	2	
9T6UT8	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	[14],16	X,Y	10,11
	22,25	9,12	12,15		[7],9,9.3	[10],11
	16,17	10				
9TTLZQ	GlobalFiler™ (STRmix™)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	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

A23EKK	Investigator® 24plex QS					
	17,3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10				
A3W6QZ	GlobalFiler™					
	17,3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
A832AZ	GlobalFiler™					
	17,3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
A86QGH	PowerPlex® Fusion (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
AQ2W6C	PowerPlex® 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	--
3sp	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	-----	7,9,9.3	10,11
	15,16,17	10	-----	-----	-----	
AUZBQF	NGM SElect					
	17,3,17.3	17,17	11,14	15,17		
3sp		12,15	14,15	18,18		11,11
	14,16	13,14	30,31.2	16,16	X,Y	
	22,25			23.2,24.2	9,9.3	
	16,17					
B4MQWW	PowerPlex® Fusion					
	17,3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	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 3sp - STR Results

BH2EY9	GlobalFiler™					
		17.3,17.3	17,17	11,14	15,17	11,11
3sp		9,12	12,15	14,15	18,18	10,12
		14,16	13,14	30,31.2	16,16	X,Y
		22,25			23.2,24.2	9,9.3
		16,17	10			2
BKCW7B	PowerPlex® Fusion					
		17.3	17	11,14	15,17	11
3sp		9,12	12,15	14,15	18	10,12
		14,16	13,14	30,31.2	16	X,Y
		22,25	9,12	12,15		9,9.3
		16,17	10			11
BKRBHQ	PowerPlex® Fusion 6C					
		17.3,17.3	17,17	11,14	15,17	11,11
3sp		9,12	12,15	14,15	18,18	10,12
		14,16	13,14	30,31.2	16,16	X,Y
		22,25	9,12	12,15	23.2,24.2	9,9.3
		16,17	10	17	17	11,11
BQA9U2	PowerPlex® Fusion					
		17.3	17	11,14	15,17	11
3sp		9,12	12,15	14,15	18	10,12
		14,16	13,14	30,31.2	16	X,Y
		22,25	9,12	12,15		9,9.3
		16,17	10			11
BR8WJH	PowerPlex® Fusion 5C					
		17.3	17	11,14	15,17	11
3sp		9,12	12,15	14,15	18	10,12
		14,16	13,14	30,31.2	16	X,Y
		22,25	9,12	12,15		9,9.3
		16,17	10			11
BYUPVG	PowerPlex® Fusion (STRmix v2.9)					
		17.3	17	11,14	15,17	11
3sp		9,12	12,15	14,15	18	10,12
		14,16	13,14	30,31.2	16	X,Y
		22,25	9,12	12,15		9,9.3
		16,17	10			11
C6TZE2	PowerPlex® Fusion 5C					
		[12,15],17.3	17,[19]	11,14	[14],15,17	11,[12]
3sp		[8],9,12	12,15	[13],14,15	18	10,12,[13]
		[12],14,16	13,14	[29],30,31.2	[14],16	X,Y
		[20],22,25	9,12,[13]	12,15,[17,23]		10,11,[12]
		16,17	10			[7],9,9.3
						11

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

CFUWMN	PowerPlex® Fusion 5C (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
CJRZ76	PowerPlex® 5c					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
CTXHPD	PowerPlex® Fusion 5C (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
CUCNBV	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
CY2TT8	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,[17]	10			2	
D28BDE	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	12,14,16	13,14	30,31.2	16	X,Y	10,11
	22,25,26			14,23.2,24.2	9,9.3	11
	16,17	10			2	
D2RP9J	Investigator® 24plex QS					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	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 3sp - STR Results

D4YZ9T	GlobalFiler™ (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
D62RG3	PowerPlex® Fusion 6C					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15	23.2,24.2	9,9.3	11,11
	16,17	10	17	17		
D8DVNQ	GlobalFiler™					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
DAVJU6	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
DLF9YW	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
DU8L2G	PowerPlex® 5C (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
DX76ZU	PowerPlex® Fusion					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	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 3sp - STR Results

DX8XWG	PowerPlex® Fusion 5C (STRmix)						
		17.3,17.3	17,17	11,14	15,17	11,11	
	3sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11,11
	16,17	10					
DZCMYP	PowerPlex® Fusion 5C (STRmix)						
		17.3,17.3	17,17	11,14	15,17	11,11	
	3sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11,11
	16,17	10					
ENE7MU	GlobalFiler™						
		17.3,17.3	17,17	11,14	15,17	11,11	--
	3sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25	--	--	23.2,24.2	9,9.3	11,11
	16,17	10	--	--	2		
EPAPNV	GlobalFiler™ (STRmix)						
		17.3	17	11,14	15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11
	16,17	10			2		
EZDVPN	PowerPlex® Fusion (STRmix)						
		17.3,17.3	17,17	11,14	15,17	11,11	
	3sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11,11
	16,17	10					
F6ZCN3	GlobalFiler™						
		17.3,17.3	17,17	11,14	15,17	11,11	
	3sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2		
FB2NKY	PowerPlex® Fusion						
		17.3	17	11,14	15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11
	16,17	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 3sp - STR Results

FNWCLJ	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
FRG8MQ	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
FVRHFK	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
FWL6UA	GlobalFiler™ (GeneMapper ID-X 1.6)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
FWNTD9	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
G3RYN6	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10				
G42NKW	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	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 3sp - STR Results

G76LPX	PowerPlex® Fusion 5c					
		[12],17.3	17	11,14	[14],15,17	11
	3sp	9,12	12,15	14,15	18	10,12 [9],11,[15]
		14,16	13,14	30,31.2	16	X,Y 10,11,[12]
		22,25	9,12,[13]	12,15,[17]		[7],9,9.3 [10],11
	16,17	10				
GMV24L	PowerPlex® Fusion (STRMix)					
		17.3,17.3	17,17	11,14	15,17	11,11
	3sp	9,12	12,15	14,15	18,18	10,12 11,11
		14,16	13,14	30,31.2	16,16	X,Y 10,11
		22,25	9,12	12,15		9,9.3 11,11
	16,17	10				
GWZCNZ	PowerPlex® Fusion 5C					
		17.3	17	11,14	15,17	11
	3sp	9,12	12,15	14,15	18	10,12 11
		14,16	13,14	30,31.2	16	X,Y 10,11
		22,25	9,12	12,15		9,9.3 11
	16,17	10				
GZYMKZ	PowerPlex® 5C					
		17.3	17	11,14	15,17	11
	3sp	9,12	12,15	14,15	18	10,12 11
		14,16	13,14	30,31.2	16	X,Y 10,11
		22,25	9,12	12,15		9,9.3 11
	16,17	10				
H2XLPJ	PowerPlex® Fusion 5C					
		17.3	17	11,14	15,17	11
	3sp	9,12	12,15	14,15	18	10,12 11
		14,16	13,14	30,31.2	16	X,Y 10,11
		22,25	9,12	12,15		9,9.3 11
	16,17	10				
H8FHZU	PowerPlex® Fusion 5c					
		17.3	17	11,14	15,17	11
	3sp	9,12	12,15	14,15	18	10,12 11
		14,16	13,14	30,31.2	16	X,Y 10,11
		22,25	9,12	12,15		9,9.3 11
	16,17	10				
HANB2D	Investigator® 24plex QS					
		17.3,17.3	17,17	11,14	15,17	11,11
	3sp	9,12	12,15	14,15	18,18	10,12 11,11
		14,16	13,14	30,31.2	16,16	X,Y 10,11
		22,25			23.2,24.2	9,9.3 11,11
	16,17	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 3sp - STR Results

HPYWMP	PowerPlex® Fusion 5C (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
HUB3ZA	GlobalFiler™ (STRmix)					
	17.3,18.3	17	11,14	15,17	11	
3sp	9,12	10,12,15	14,15	18	10,12	11,12
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,23,25			23.2,24.2	9,9.3	11
	16,17	10			2	
HUFD2M	GlobalFiler™ (STRmix 2.9.1)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
HY7VU6	GlobalFiler™					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
HYNKHR	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
J7MHRF	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
J8H2TG	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			16,23.2,24.2	9,9.3	11,11
	16,17	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

J9T3EF	GlobalFiler™ (STRMIX)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
JF29UZ	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
JF8XAN	GlobalFiler™					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
JFANF8	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
JG4ELL	PowerPlex® Fusion (STRmix v2.9)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
JG67H9	PowerPlex® Fusion 5C (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
JTXLPH	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	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

JXK3PV	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
K2L6XM	GlobalFiler™					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
K3CWW	PowerPlex® Fusion (TrueAllele)					
	17.3	17,[19]	11,14	[14],15,17	11,[12]	
3sp	[8],9,12	12,15	[13],14,15	18	10,12	[9],11,[15]
	[12],14,16	13,14,[15]	[28],30,31.2	[14],16	X,Y	10,11,[12]
	[20],22,25	9,12	12,15		[7],9,9.3	11
	16,17	10				
K4WNJD	GlobalFiler™ (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
KGXJFK	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
KHVRN4	PowerPlex® Fusion 5C					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
KKWX3A	Investigator® 24plex QS					
	[15],17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11,[12]
	[20],22,25			[16],23.2,24.2	9,9.3	11,11
	16,17	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 3sp - STR Results

KNYR6L	GlobalFiler™ (STRmix)						
		17.3	17	11,14	15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11
	16,17	10			2		
KPB9FE	GlobalFiler™ (STRmix)						
		17.3	17	11,14	15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11
	16,17	10			2		
KRTE8V	PowerPlex® Fusion						
		17.3	17	11,14	15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11
	16,17	10					
KVC8HX	GlobalFiler™						
		17.3,17.3	17,17	11,14	15,17	11,11	
	3sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2		
KX7BHP	GlobalFiler™						
		17.3	17	11,14	15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11
	16,17	10			2		
L9H3J6	GlobalFiler™						
		17.3	17	11,14	15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11
	16,17	10			2		
L9KP34	PowerPlex® Fusion 5C						
		17.3	17	11,14	15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11
	16,17	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 3sp - STR Results

LCWX2M	GlobalFiler™	17.3,17.3	17,17	11,14	15,17	11,11	
	3sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11,11
		16,17	10			2	
LDRF23	PowerPlex® Fusion 6C (STRmix v 2.9)	17.3	17	11,14	15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25	9,12	12,15	23.2,24.2	9,9.3	11
		16,17	10	17	17		
LHHE7R	GlobalFiler™	17.3,17.3	17,17	11,14	15,17	11,11	
	3sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11,11
		16,17	10			2	
LKE7R6	PowerPlex® Fusion (STRmix)	17.3	17	11,14	15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11
		16,17	10				
LL82A8	PowerPlex® Fusion (STRmix)	17.3	17	11,14	14,15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		12,14,16	13,14	30,31.2	16	X,Y	10,11,12
		22,25	9,12	12,15		9,9.3	11
		16,17	10				
LRXAY8	GlobalFiler™ (STRmix)	17.3	17	11,14	15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25,26			23.2,24.2	9,9.3	11
		16,17	10			2	
LT2UAU	PowerPlex® Fusion (TrueAllele)	[12],17.3	17,[19]	11,14	[14],15,17	11,[12]	
	3sp	[8],9,12	12,15	[13],14,15	18	10,12	[9],11
		[12],14,16	13,14,[15]	[29],30,31.2	[14],16	X,Y	10,11,[12]
		[20],22,25	9,12,[13]	12,15,[17],[23]		[7],9,9.3	[10],11
		16,17	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 3sp - STR Results

LTHZDQ	PowerPlex® Fusion 5C					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
LW3RNT	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
M8JCU2	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
M8NPKJ	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
M9GMNJ	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
MBHQF7	GlobalFiler™ (STRmix)					
	17.3,18.3	17	11,14	15,17	11	
3sp	9,12	10,12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
MCE7R3	PowerPlex® Fusion 5C					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	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 3sp - STR Results

MCGXJJ	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
MD7LVT	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
MEKNQX	PowerPlex® Fusion 5C					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
MMRQ3T	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
MRRET7	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
N42CBE	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
N4B7JU	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	NA
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	NA	NA	23.2,24.2	9,9.3	11,11
	16,17	10	NA	NA	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

N6WYP4	PowerPlex® Fusion 5C (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
N9W79G	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
NA3N7C	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
NALYUT	PowerPlex® Fusion (TrueAllele)					
	17.3	17	11,14	14,15,17	11	
3sp	8,9,12	12,15	14,15	18	10,12	11
	14,16	13,14	29,30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
NK34LP	PowerPlex® Fusion 5C					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
NN2EGP	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
NY2RXP	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
3sp	[8],9,12	12,15	14,15	18	10,12	11
	14,16	13,14	[29],30,31.2	16	X,Y	10,11,[12]
	22,25	9,12	12,15		9,9.3	11
	16,17	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 3sp - STR Results

PEWZPE	GlobalFiler™						
		17.3	17	11,14	15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11
	16,17	10			2		
PKPZ4B	PowerPlex® 35GY (STRmix 2.12)						
		17.3	17	11,14	15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25	9,12	12,15	23.2,24.2	9,9.3	11
	16,17						
PM7Y6R	GlobalFiler™						
		17.3,17.3	17,17	11,14	15,17	11,11	NA
	3sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25	NA	NA	23.2,24.2	9,9.3	11,11
	16,17	10	NA	NA	2		
Q7HHM8	GlobalFiler™ (STRmix)						
		17.3	17	11,14	15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	14,16	X,Y	10,11
		22,25			23.2,24.2	7,9,9.3	11
	16,17	10			2		
Q8DYY4	PowerPlex® Fusion 5C (STRmix v2.9)						
		17.3,17.3	17,17	11,14	15,17	11,11	
	3sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11,11
	16,17	10					
Q8WZQD	PowerPlex® Fusion						
		17.3,17.3	17,17	11,14	15,17	11,11	
	3sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11,11
	16,17	10					
QC6BUZ	GlobalFiler™						
		17.3	17	11,14	15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11
	16,17	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

QFMLVB	PowerPlex® Fusion 5C (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
QTBRKY	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
R3CFCW	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
R48XEX	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
R4AP7D	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
R8CJAB	PowerPlex® Fusion (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
R8Q6JC	GlobalFiler™ (STR Mix 2.13.0)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	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

R9GBWW	PowerPlex® Fusion 5C					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
RDVVZW	GlobalFiler™					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
RKBRKX	PowerPlex® Fusion, 21, VERIFILER Express					
	17.3,17.3	17,17	11,14	15,17	11,11	11,12
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10			2	
RNN3LN	PowerPlex® Fusion (TrueAllele)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
RQWMKF	PowerPlex®, GlobalFiler™					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
RRR6LG	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
RUHUXR	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	NA
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	NA	NA	23.2,24.2	9,9.3	11,11
	16,17	10	NA	NA	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

RXHHM6	Investigator® 24plex QS					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10				
T42ZHR	GlobalFiler™					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
T6VV2U	GlobalFiler™ PCR Amplification Kit					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
T6YFPX	GlobalFiler™					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
T6ZBCA	PowerPlex® Fusion 5C (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
TARF6E	PowerPlex® Fusion (STRMix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
TEYN2H	PowerPlex® 5C					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	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 3sp - STR Results

TFRJKK	Investigator® 24plex (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10				
TGTR2B	PowerPlex® Fusion 5C					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
TH3WEY	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
TJWMKE	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
TJYEGZ	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
TMH8R4	Investigator® 24plex QS					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10				
TNMWUC	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	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

TWKUFU	PowerPlex® Fusion 6C (DNAxs)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15	23.2,24.2	9,9.3	11,11
	16,17	10	17	17		
TX8VBQ	GlobalFiler™					
	17.3,17.3	17,[19]	11,14	15,17	11,11	
3sp	[8],9,12	12,15	14,15	18,18	10,12,[13]	11,11
	14,16	13,14	[29],30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	[7],9,9.3	[10],11
	16,17	10			2	
TXF4YB	GlobalFiler™					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
U3AJNB	GlobalFiler™, Yfiler™™ Plus					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	[0,14],16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
U4H4HL	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
UFU7PV	PowerPlex® Fusion 5C (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
UGMWVA	PowerPlex® Fusion 5C (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	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 3sp - STR Results

UK6JLH	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
UQUET8	PowerPlex® Fusion 5C					
	17.3,17.3	17,17	11,14	15,17	11,11	-
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15	-	9,9.3	11,11
	16,17	10	-	-	-	
UV6RB7	PowerPlex® 5C (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
UVND4W	GlobalFiler™					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
V27Q9J	Investigator® 24plex (STRMix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10				
V2RTC6	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
V648PJ	PowerPlex® Fusion 5c					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	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 3sp - STR Results

VC9LH7	PowerPlex® Fusion 5C					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
VMUQP7	PowerPlex® Fusion 5C (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
VRKZY4	GlobalFiler™ (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	7,9,9.3	11,11
	16,17	10			2	
WV4E34	PowerPlex® Fusion (STRmix 2.9.0)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
WVPGG9	GlobalFiler™ (STRMix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
WX3GT	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
VXUAB7	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	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 3sp - STR Results

VYHPF9	PowerPlex® Fusion (STRMIX)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
VYKEMQ	PowerPlex® Fusion 5C					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
WJ4483	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
WQPYBR	PowerPlex® Fusion 5C (STRmix)					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
WU3JFR	GlobalFiler™					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
WXHQBE	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
XHAD2N	GlobalFiler™					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	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

XM4E43	GlobalFiler™ (STRmix)						
		17.3	17	11,14	15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11
	16,17	10			2		
XP2K8G	GlobalFiler™, Investigator® 24plex						
		17.3,17.3	17,17	11,14	15,17	11,11	
	3sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11,11
	16,17	10,10			2,2		
XVDZPB	GlobalFiler™						
		17.3,17.3	17,17	11,14	15,17	11,11	
	3sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2		
Y2C8ZE	PowerPlex® Fusion						
		17.3	17	11,14	15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11
	16,17	10					
YGBWXP	GlobalFiler™						
		17.3	17	11,14	15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11
	16,17	10			2		
YHKRQ9	PowerPlex® 5C (STRmix)						
		17.3	17	11,14	15,17	11	
	3sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11
	16,17	10					
YZJUJ7	GlobalFiler™						
		17.3,17.3	17,17	11,14	15,17	11,11	
	3sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11,11
	16,17	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

Z2C8LP	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
ZA76G6	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
ZC6BGD	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
ZGKLUG	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
ZQBJPL	PowerPlex®					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15	23.2,24.2	9,9.3	11,11
	16,17	10	17	17		
ZRQ4EQ	PowerPlex® Fusion 5C (STRmix for epithelial fraction only)					
	17.3,17.3	17,17	11,14	15,17	11,11	
3sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
ZVNFH3	GlobalFiler™ (STRmix)					
	17.3	17,19	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14,15	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	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

ZZFQAT	GlobalFiler™ (STRmix)					
	17.3,18.3	17	11,14	15,17	11	
3sp	9,12	12,15	14,15	18	10,12	11,12
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	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

3CE47C	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
9C7B4Q	GlobalFiler™					
	[12],[15],17.3	17,[19]	11,14	[14],15,17	11,[12]	
4	[8],9,12	12,15	[13],14,15	18,[19],[22]	10,12,[13]	[9],11,[15]
	[12],14,16	13,14,[15]	[28],[29],30,31.2	[14],16,[17]	X,Y	10,11,[12]
	[20],22,25,[26]			[14],[16],23.2,24.2	[7],9,9.3	[10],11
	[15],16,17	10			2	
9KBPY7	PowerPlex® ESI, ESX, Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,[12]	
4	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	-	-	-	
BCZKAD	PowerPlex® Fusion 6C (LRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	17	17		
EWZZB	PowerPlex® Fusion 5c and 35GY, Verifiler+					
	12,15,17.3	17,19	11,14	14,15,17	11,12	11,12,13
4	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	11
	15,16,17	10			2	
F2C6ZY	NGM SElect					
	12,15,17.3	17,19	11,14	14,15,17		
4		12,15	13,14,15	18,19,22		9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	
	15,16,17					
K4VTW2	PowerPlex® Fusion 6C (CaseSolver, LRMixStudio, LabRetriever, DNAMView, EFM)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	17	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 4 - STR Results

T2FFB3	PowerPlex® Fusion 6C					
	12,15,17.3	17,19	11,14	15,17	11,12	
4	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	16,17	10	17	17		
WTKCJJ	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
XENTUY	PowerPlex® Fusion 6C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	17	17		
XHN4QX	PowerPlex® Fusion 6C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	17	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 4e - STR Results

24VJXZ	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
266NBN	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
274VF2	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
27XJUQ	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
27YEG4	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
27Z7DQ	PowerPlex® Fusion 5C, 23					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
2D2NNV	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 4e - STR Results

2HFX2Z	PowerPlex® Fusion 5C (STRmix 2.9.0)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	nd				
2KE46D	PowerPlex® Fusion 5C (TrueAllele)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
2MTWGY	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
2QH8VC	Investigator® 24plex (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10				
2XU824	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
33J44Y	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
33VXLK	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	not tested
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	not tested	7,9,9.3	10,11
	15,16,17	10	not tested	not tested	not tested	

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 4e - STR Results

39GK4D	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
3DHUVY	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
3EQ9UR	Investigator® 24plex QS					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10				
3J7J8V	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
3J7NKJ	PowerPlex® Fusion 6C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	17	17		
46F89Q	Investigator® 24plex QS					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10				
4AATT9	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 4e - STR Results

4GTWZB	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
4H6BCG	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
4KWZ8V	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
4M4MCM	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,17,23		7,9,9.3	10,11
	15,16,17	10				
4ZADEV	Investigator® 24plex QS					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10				
68WFNC	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	N/A
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	N/A	N/A	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	N/A	N/A	2	
69TW29	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 4e - STR Results

6D87ZN	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
6DV4WX	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
6WKQWR	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
6XF79P	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12,13	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
6XG784	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
7R9YPZ	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
8AJEXK	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 4e - STR Results

8AL2GJ	PowerPlex® Fusion (Strmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	NT
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	NT	7,9,9.3	10,11
	15,16,17	10	NT	NT	NT	
8NLKFW	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
8NYWNA	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
8Q8KHX	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
8TBPY9	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
8WA4JD	GlobalFiler™					
	12,15,[17.3]	17,19	11,14	14,15,[17]	11,12	
4e	8,[9],[12]	12,15	13,[14],15	[18],19,22	[10],12,13	9,[11],15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,[16],17	X,[Y]	[10],[11],12
	20,[22],[25],26			14,16,[23.2],[24.2]	7,[9],[9.3]	10,11
	15,16,[17]	10			2	
8X9WDU	PowerPlex® Fusion 6C					
	12,15,[17.3]	17,19	11,14	14,15,[17]	11,12	
4e	8,[9],[12]	12,15	13,[14],15	18,19,22	[10],12,13	9,11,15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,[16],17	X,[Y]	[10],[11],12
	20,[22],[25],26	9,[12],13	[12],[15],17,23	14,16,[23.2],[24.2]	7,[9],[9.3]	10,11
	15,16,[17]	10	17	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 4e - STR Results

8ZE8LR	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
999K7R	PowerPlex® 35GY (STRmix v2.12)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10				
9ERUBF	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
9FLKGU	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
9NU2G9	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	N/A
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	N/A	N/A	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	N/A	N/A	2	
9T6UT8	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15	11,12	
4e	8	12,15	13,15	18,19,22	12,13	9,11,15
	12,14,16	13,14,15	28,29	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	15,17,23		7,9,9.3	10,11
	15,16	-				
9TTLZQ	GlobalFiler™ (STRmix™)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 4e - STR Results

A23EKK	Investigator® 24plex QS					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,[23.2],[24.2]	7,9,9.3	10,11
	15,16,17	10				
A3W6QZ	GlobalFiler™					
	12,15,[17.3]	17,19	11,14	14,15,[17]	11,12	
4e	8,8,[9],[12]	12,15	13,[14],15	[18],19,22	[10],12,13	9,[11],15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,[16],17	X,X,[Y]	[10],[11],12,12
	20,[22],[25],26			14,16,[23.2],[24.2]	7,7,[9],[9.3]	10,11
	15,16,[17]	[10]			[2]	
A832AZ	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
A86QGH	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17					
AQ2W6C	PowerPlex® 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	--
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	--	7,9,9.3	10,11
	15,16,17	10	-----	-----	-----	
AUZBQF	NGM SElect					
	12,15,17.3	17,19	11,14	14,15,17		
4e		12,15	13,14,15	18,19,22		9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	
	15,16,17					
B4MQWW	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 4e - STR Results

BH2EY9	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23,2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
BKCW7B	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
BKRBHQ	PowerPlex® Fusion 6C					
	12,15,[17.3]	17,19	11,14	14,15,[17]	11,12	
4e	8,8,[9],[12]	12,15	13,[14],15	[18],19,22	[10],12,13	9,[11],15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,[16],17	X,[Y]	[10],[11],12,12
	20,[22],[25],26	9,[12],13	[12],[15],17,23	14,16,[23.2],[24.2]	7,7,[9],[9.3]	10,11
	15,16,[17]	[10]	[17]	[17]		
BQA9U2	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17					
BR8WJH	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
BYUPVG	PowerPlex® Fusion (STRmix v2.9)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
C6TZE2	PowerPlex® Fusion 5C (TrueAllele)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 4e - STR Results

CFUWMN	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
CJRZ76	PowerPlex® 5c					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
CTXHPD	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
CUCNBV	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
CY2TT8	GlobalFiler™					
	12,[15],17.3	17,[19]	11,14	14,15,[17]	11,[12]	
4e	8,[9],[12]	12,15	13,[14],15	18,19,22	[10],12,13	9,[11],[15]
	[12],14,[16]	[13],14,15	28,29,[30],[31.2]	14,16,17	X,[Y]	[10],[11],12
	20,[22],[25],26			14,16	7,[9],[9.3]	[10],11
	15,16,[17]	10			2	
D28BDE	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23,2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
D2RP9J	Investigator® 24plex QS					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23,2,24.2	7,9,9.3	10,11
	15,16,17	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 4e - STR Results

D4YZ9T	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
D62RG3	PowerPlex® Fusion 6C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	17			
D8DVNQ	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
DAVJU6	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
DLF9YW	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
DU8L2G	PowerPlex® 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
DX76ZU	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 4e - STR Results

DX8XWG	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
DZCMYP	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
ENE7MU	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	--
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	--	--	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	--	--	2	
EPAPNV	GlobalFiler™ (STRmix)					
	12,15,[17.3]	17,[19]	11,14	14,15,[17]	11,12	
4e	8,[9],[12]	12,15	13,[14],15	[18],19,22	[10],12,13	9,[11],15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,[16],17	X,[Y]	[10],[11],12
	20,[22],[25],26			14,16,[23.2],[24.2]	7,[9],[9.3]	10,11
	15,16,[17]	10			2	
EZDVPN	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
F6ZCN3	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
FB2NKY	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 4e - STR Results

FNWCLJ	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
FRG8MQ	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
FVRHFK	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
FWL6UA	GlobalFiler™ (GeneMapper ID-X 1.6)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
FWNTD9	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
G3RYN6	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,[17]	11,12	
4e	8,[9],[12]	12,15	13,[14],15	18,19,22	[10],12,13	9,[11],15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,16,17	X,[Y]	[10],[11],12
	20,[22],[25],26			14,16,[23.2],[24.2]	7,[9],[9.3]	10,11
	15,16,[17]	10				
G42NKW	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 4e - STR Results

G76LPX	PowerPlex® Fusion 5c					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3
	15,16,17	10			10,11	
GMV24L	PowerPlex® Fusion (STRMix)					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3
	15,16,17	10			10,11	
GWZCNZ	PowerPlex® Fusion 5C					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3
	15,16,17	10			10,11	
GZYMKZ	PowerPlex® 5C					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3
	15,16,17	10			10,11	
H2XLPJ	PowerPlex® Fusion 5C					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3
	15,16,17	10			10,11	
H8FHZU	PowerPlex® Fusion 5c					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3
	15,16,17	10			10,11	
HANB2D	Investigator® 24plex QS					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26			14,16,23.2,24.2	7,9,9.3
	15,16,17	10			10,11	

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 4e - STR Results

HPYWMP	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
HUB3ZA	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
HUFD2M	GlobalFiler™ (STRmix 2.9.1)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
HY7VU6	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
HYNKHR	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
J7MHRF	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
J8H2TG	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 4e - STR Results

J9T3EF	GlobalFiler™ (STRMIX)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
JF29UZ	GlobalFiler™					
	12,15,[17.3]	17,[19]	11,14	14,15,[17]	11,[12]	
4e	8,[9],[12]	12,15	13,[14],15	[18],19,22	[10],12,13	9,[11],15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,16,17	X,[Y]	[10],[11],12
	20,[22],[25],26			14,[16],[23.2],[24.2]	7,[9],[9.3]	[10],11
	15,16,[17]	10			2	
JF8XAN	GlobalFiler™					
	12,15,[17.3]	17,19	11,14	14,15,[17]	11,12	
4e	8,[9],[12]	12,15	13,[14],15	[18],19,22	[10],12,13	9,[11],15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,[16],17	X,[Y]	[10],[11],12
	20,[22],[25],26			14,16,[23.2],[24.2]	7,[9],[9.3]	10,11
	15,16,[17]	[10]			[2]	
JFANF8	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
JG4ELL	PowerPlex® Fusion (STRmix v2.9)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
JG67H9	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
JTXLPH	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 4e - STR Results

JXK3PV	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
K2L6XM	GlobalFiler™					
	12,15,[17.3]	17,19	11,14	14,15,[17]	11,12	
4e	8,[9],[12]	12,15	13,[14],15	[18],19,22	[10],12,13	9,[11],15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,[16],17	X,[Y]	[10],[11],12
	20,[22],[25],26			14,16,[23.2],[24.2]	7,[9],[9.3]	10,11
	15,16,[17]	[10]			[2]	
K3CWW	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
K4WNJD	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
KGXJFK	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
KHVRN4	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
KKWX3A	Investigator® 24plex QS					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 4e - STR Results

KNYR6L	GlobalFiler™ (STRmix)						
		12,15,17.3	17,19	11,14	14,15,17	11,12	
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
		20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2		
KPB9FE	GlobalFiler™ (STRmix)						
		12,15,17.3	17,19	11,14	14,15,17	11,12	
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
		20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2		
KRTE8V	PowerPlex® Fusion						
		12,15,17.3	17,19	11,14	14,15,17	11,12	
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10					
KVC8HX	GlobalFiler™						
		12,15,17.3	17,19	11,14	14,15,17	11,12	
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
		20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2		
KX7BHP	GlobalFiler™						
		12,15,[17.3]	17,19	11,14	14,15,[17]	11,12	
	4e	8,[9],[12]	12,15	13,[14],15	18,19,22	[10],12,13	9,[11],15
		12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,[16],17	X,[Y]	[10],[11],12
		20,[22],[25],26			14,16,[23.2],[24.2]	7,[9],[9.3]	10,11
	15,16,[17]	10			2		
L9H3J6	GlobalFiler™						
		12,15,17.3	17,19	11,14	14,15,17	11,12	
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
		20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2		
L9KP34	PowerPlex® Fusion 5C						
		12,15,17.3	17,19	11,14	14,15,17	11,12	
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 4e - STR Results

LCWX2M	GlobalFiler™					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9,12	12,15	13,14,15	18,19,22	12,13
		12,14	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26			14,16,23.2,24.2	7,9,9.3
	15,16,17	10			2	
LDRF23	PowerPlex® Fusion 6C (STRmix v 2.9)					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3
	15,16,17	10	17	17		
LHHE7R	GlobalFiler™					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26			14,16,23.2,24.2	7,9,9.3
	15,16,17	10			2	
LKE7R6	PowerPlex® Fusion (STRmix)					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3
	15,16,17	10				
LL82A8	PowerPlex® Fusion (STRmix)					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3
	15,16,17	10				
LRXAY8	GlobalFiler™ (STRmix)					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26			14,16,23.2,24.2	7,9,9.3
	15,16,17	10			2	
LT2UAU	PowerPlex® Fusion					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3
	15,16,17	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 4e - STR Results

LTHZDQ	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17					
LW3RNT	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
M8JCU2	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,14,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
M8NPKJ	GlobalFiler™ (STRmix)					
	12,15,17.3	16,17,18,19,Q	10,11,14	13,14,15,17,Q	10,11,12	
4e	8,9,12	12,15	13,14,15	18,19,21,22,Q	10,11,12,13	9,11,15
	12,13,14,16,Q	13,14,15,Q	28,29,30,31.2	13,14,15,16,17,Q	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11,Q
	14,15,16,17,Q	10			2	
M9GMNJ	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
MBHQF7	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
MCE7R3	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 4e - STR Results

MCGXJ	GlobalFiler™					
	12,15,[17.3]	17,19	11,14	14,15,[17]	11,12	
4e	8,8,[9],[12]	12,15	13,[14],15	[18],19,22	[10],12,13	9,[11],15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,[16],17	X,X,[Y]	[10],[11],12,12
	20,[22],[25],26			14,16,[23.2],[24.2]	7,7,[9],[9.3]	10,11
	15,16,[17]	[10]			[2]	
MD7LVT	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
MEKNQX	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
MMRQ3T	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
MRRET7	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
N42CBE	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
N4B7JU	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	NA
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	NA	NA	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	NA	NA	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 4e - STR Results

N6WYP4	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
N9W79G	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
NA3N7C	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
NALYUT	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
NK34LP	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
NN2EGP	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
NY2RXP	PowerPlex® Fusion					
	[12],[15],17.3	17,[19]	11,14	[14],15,17	11,[12]	
4e	[8],9,12	12,15	[13],14,15	18,[19],[22]	10,12,[13]	[9],11,[15]
	[12],14,16	13,14,[15]	[28],[29],30,31.2	[14],16,[17]	X,Y	10,11,[12]
	[20],22,25,[26]	9,12,[13]	12,15,[17],[23]		[7],9,9.3	[10],11
	[15],16,17	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 4e - STR Results

PEWZPE	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
PKPZ4B	PowerPlex® 35GY (STRmix 2.12)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17					
PM7Y6R	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	NA
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	NA	NA	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	NA	NA	2	
Q7HMH8	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
Q8DYY4	PowerPlex® Fusion 5C (STRmix v2.9)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
Q8WZQD	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
QC6BUZ	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 4e - STR Results

QFMLVB	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
QTBRKY	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
R3CFCW	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
R48XEX	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
R4AP7D	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
R8CJAB	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
R8Q6JC	GlobalFiler™ (STR Mix 2.13.0)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 4e - STR Results

R9GBWW	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
RDVVZW	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
RKBRKX	PowerPlex® Fusion, 21, Verifiler Express					
	12,15	17,19	11,14	14,15	11,12	11,13
4e	8,8	12,15	13,15	19,22	12,13	9,15
	12,14	14,15	28,29	14,17	X,X	12,12
	20,26	9,13	17,23		7,7	10,11
	15,16					
RNN3LN	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
RQWMKF	PowerPlex®, GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
RRR6LG	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
RUHUXR	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	NA
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	NA	NA	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	NA	NA	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 4e - STR Results

RXHHM6	Investigator® 24plex QS					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10				
T42ZHR	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
T6VV2U	GlobalFiler™ PCR Amplification Kit					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
T6YFPX	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
T6ZBCA	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
TARF6E	PowerPlex® Fusion (STRMix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
TEYN2H	PowerPlex® 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 4e - STR Results

TFRJKK	Investigator® 24plex (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10				
TGTR2B	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
TH3WEY	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
TJWMKE	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
TJYEGZ	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
TMH8R4	Investigator® 24plex QS					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10				
TNMWUC	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 4e - STR Results

TWKUFU	PowerPlex® Fusion 6C (DNAxs)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	17	17		
TX8VBQ	GlobalFiler™					
	12,15,[17.3]	17,19	11,14	14,15,[17]	11,[12]	
4e	8,[9],[12]	12,15	13,[14],15	18,19,22	[10],12,13	9,[11],15
	12,14,[16]	[13],14,15	28,29,[30],[31.2]	14,[16],17	X,[Y]	[10],[11],12
	20,[22],[25],26			14,16,[23.2],[24.2]	7,[9],[9.3]	10,11
	15,16,[17]	10			2	
TXF4YB	GlobalFiler™					
	12,15,[17.3]	17,19	11,14	14,15,[17]	11,12	
4e	8,[9],12]	12,15	13,[14],15	[18],19,22	[10],12,13	9,[11],15
	12,14,[16]	[13],14,15	28,29,[30,31.2]	14,[16],17	X,[Y]	[10,11],12
	20,[22,25],26			14,16,[23.2,24.2]	7,[9,9.3]	10,11
	15,16,[17]	[10]			[2]	
U3AJNB	GlobalFiler™, Yfiler™™ Plus					
	17.3					
4e	9			18		
			30		Y	
	16					
U4H4HL	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
UFU7PV	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
UGMWVA	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 4e - STR Results

UK6JLH	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
UQUET8	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	-
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	-	7,9,9.3	10,11
	15,16,17	10	-	-	-	
UV6RB7	PowerPlex® 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
UVND4W	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
V27Q9J	Investigator® 24plex (STRMix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10				
V2RTC6	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
V648PJ	PowerPlex® Fusion 5c					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9	12,15	13,14,15	18,19,22	12,13	9,11,15
	12,14	13,14,15	28,29,30,31.2	14,16,17	X,Y	11,12
	20,25,26	9,12,13	15,17,23		7,9,9.3	10,11
	15,16,17	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 4e - STR Results

VC9LH7	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
VMUQP7	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
VRKZY4	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
WV4E34	PowerPlex® Fusion (STRmix 2.9.0)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
WPPG9	GlobalFiler™ (STRMix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
VX3GT	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
VXUAB7	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	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 4e - STR Results

VYHPF9	PowerPlex® Fusion (STRMIX)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
VYKEMQ	PowerPlex® Fusion 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
WJ4483	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
WQPYBR	PowerPlex® Fusion 5C (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
WU3JFR	GlobalFiler™					
	12,15,17.3	9,17	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10			2	
WXHQBE	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
XHAD2N	GlobalFiler™					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 4e - STR Results

XM4E43	GlobalFiler™ (STRmix)					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26			14,16,23.2,24.2	7,9,9.3
	15,16,17	10			2	
XP2K8G	GlobalFiler™					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26			14,16,23.2,24.2	7,9,9.3
	15,16,17	10,10			2,2	
XVDZPB	GlobalFiler™					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26			14,16,23.2,24.2	7,9,9.3
	15,16,17	10			2	
Y2C8ZE	PowerPlex® Fusion					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3
	15,16,17	10				
YGBWXP	GlobalFiler™					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26			14,16,23.2,24.2	7,9,9.3
	15,16,17	10			2	
YHKRQ9	PowerPlex® 5C (STRmix)					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26	9,12,13	12,15,17,23		7,9,9.3
	15,16,17	10				
YZJUJ7	GlobalFiler™					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26			14,16,23.2,24.2	7,9,9.3
	15,16,17	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 4e - STR Results

Z2C8LP	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
ZA76G6	PowerPlex® Fusion (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
ZC6BGD	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
ZGKLUG	PowerPlex® Fusion					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
ZQBJPL	PowerPlex®					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	10	17	17		
ZRQ4EQ	PowerPlex® Fusion 5C (STRmix for epithelial fraction only)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23		7,9,9.3	10,11
	15,16,17	10				
ZVNFH3	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 4e - STR Results

ZZFQAT	GlobalFiler™ (STRmix)					
	12,15,17.3	17,19	11,14	14,15,17	11,12	
4e	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26			14,16,23.2,24.2	7,9,9.3	10,11
	15,16,17	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 4sp - STR Results

24VJXZ	PowerPlex® Fusion 5C					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
266NBN	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
274VF2	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
27XJUQ	GlobalFiler™					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
27YEG4	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
27Z7DQ	PowerPlex® Fusion 5C, 23					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
2D2NNV	GlobalFiler™ (STRmix)					
	15,17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16,17	X,Y	10,11
	20,22,25			23.2,24.2	7,9,9.3	11
	16,17	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 4sp - STR Results

2HFX2Z	PowerPlex® Fusion 5C (STRmix 2.9.0)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
2KE46D	PowerPlex® Fusion 5C (TrueAllele)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
2MTWGY	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
2QH8VC	Investigator® 24plex (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10				
2XU824	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
33J44Y	PowerPlex® Fusion 5C					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
33VXLK	PowerPlex® Fusion					
	17.3,17.3	17,17	11,14	15,17	11,11	not tested
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15	not tested	9,9.3	11,11
	16,17	10	not tested	not tested	not tested	

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

39GK4D	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	[8],9,12	12,15	[13],14,15	18	10,12	11
	14,16	13,14	[29],30,31.2	16	X,Y	10,11,[12]
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
3DHUVY	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
3EQ9UR	Investigator® 24plex QS					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10				
3J7J8V	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
3J7NKJ	PowerPlex® Fusion 6C					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15	23.2,24.2	9,9.3	11
	16,17	10	17	17		
46F89Q	Investigator® 24plex QS					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10				
4AATT9	PowerPlex® Fusion 5C					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	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 4sp - STR Results

4GTWZB	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
4H6BCG	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
4KWZ8V	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
4M4MCM	PowerPlex® Fusion 5C (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
4ZADEV	Investigator® 24plex QS					
	[15],17.3,17.3	17,17,[19]	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12,[13]	11,11
	14,16	13,14	[28],30,31.2	16,16	X,Y	10,11
	[20],22,25			23.2,24.2	[7],9,9.3	11,11
	16,17	10				
68WFNC	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	N/A
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	N/A	N/A	23.2,24.2	9,9.3	11,11
	16,17	10	N/A	N/A	2	
69TW29	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	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 4sp - STR Results

6D87ZN	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
6DV4WX	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
6WKQWR	GlobalFiler™ (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
6XF79P	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
6XG784	GlobalFiler™					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
7R9YPZ	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
8AJEXK	GlobalFiler™					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	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 4sp - STR Results

8AL2GJ	PowerPlex® Fusion (Strmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	NT
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15	NT	9,9.3	11,11
	16,17	10	NT	NT	NT	
8NLKFW	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
8NYWNA	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
8Q8KHX	GlobalFiler™ (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
8TBPY9	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	[8],9,12	12,15	[13],14,15	18	10,12,[13]	11
	14,16	13,14	[29],30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		[7],9,9.3	11
	16,17	10				
8WA4JD	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	[29],30,31.2	16,16	X,Y	10,11
	22,25,[26]			23.2,24.2	[7],9,9.3	11,11
	16,17	10			2	
8X9WDU	PowerPlex® Fusion 6C					
	[15],17.3	17,[19]	11,14	15,17	11,[12]	
4sp	[8],9,12	12,15	14,15	18,[22]	10,12	[9],11,[15]
	[12],14,16	13,14	[28],30,31.2	[14],16	X,Y	10,11,[12]
	[20],22,25,[26]	9,12,[13]	12,15,[23]	[14],23.2,24.2	[7],9,9.3	[10],11
	16,17	10	17	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 4sp - STR Results

8ZE8LR	PowerPlex® Fusion 5C					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
999K7R	PowerPlex® 35GY (STRmix v2.12)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15	23.2,24.2	9,9.3	11
	16,17	10				
9ERUBF	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
9FLKGU	GlobalFiler™					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
9NU2G9	GlobalFiler™					
	17.3	17,19	11,14	15,17	11	N/A
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	N/A	N/A	14,16,23.2,24.2	9,9.3	11
	16,17	10	N/A	N/A	2	
9T6UT8	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	[8],9,12	12,15	14,15	18,[19]	10,12,[13]	11
	[12],14,16	13,14,[15]	[28],30,31.2	16	X,Y	10,11,[12]
	22,25	9,12,[13]	12,15		9,9.3	[10],11
	[15],16,17	10				
9TTLZQ	GlobalFiler™ (STRmix™)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	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 4sp - STR Results

A23EKK	Investigator® 24plex QS					
	17,3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10				
A3W6QZ	GlobalFiler™					
	17,3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
A832AZ	GlobalFiler™					
	17,3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
A86QGH	PowerPlex® Fusion (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
AQ2W6C	PowerPlex® 5C					
	12,15,17.3	17,19	11,14	14,15,17	11,12	--
4sp	8,9,12	12,15	13,14,15	18,19,22	10,12,13	9,11,15
	12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y	10,11,12
	20,22,25,26	9,12,13	12,15,17,23	--	7,9,9.3	10,11
	15,16,17	10	-----	-----	-----	
AUZBQF	NGM SElect					
	17,3,17.3	17,17	11,14	15,17		
4sp		12,15	14,15	18,18		11,11
	14,16	13,14	30,31.2	16,16	X,Y	
	22,25			23.2,24.2	9,9.3	
	16,17					
B4MQWW	PowerPlex® Fusion					
	17,3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	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 4sp - STR Results

BH2EY9	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
BKCW7B	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
BKRBHQ	PowerPlex® Fusion 6C					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15	23.2,24.2	9,9.3	11,11
	16,17	10	17	17		
BQA9U2	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
BR8WJH	PowerPlex® Fusion 5C					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
BYUPVG	PowerPlex® Fusion (STRmix v2.9)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
C6TZE2	PowerPlex® Fusion 5C (TrueAllele)					
	17.3	17	11,14	15,17	11	
4sp	[8],9,12	12,15	[13],14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11,[12]
	22,25	9,12	12,15,[17]		[7],9,9.3	11
	16,17	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 4sp - STR Results

CFUWMN	PowerPlex® Fusion 5C (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
CJRZ76	PowerPlex® 5c					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
CTXHPD	PowerPlex® Fusion 5C (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
CUCNBV	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
CY2TT8	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
D28BDE	GlobalFiler™ (STRmix)					
	15,17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12,13	11
	14,16	13,14	30,31.2	16	X,Y	10,11,12
	20,22,25			14,16,23.2,24.2	9,9.3	11
	16,17	10			2	
D2RP9J	Investigator® 24plex QS					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	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 4sp - STR Results

D4YZ9T	GlobalFiler™ (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
D62RG3	PowerPlex® Fusion 6C					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15	23.2,24.2	9,9.3	11,11
	16,17	10	17	17		
D8DVNQ	GlobalFiler™					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
DAVJU6	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
DLF9YW	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
DU8L2G	PowerPlex® 5C (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
DX76ZU	PowerPlex® Fusion					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	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 4sp - STR Results

DX8XWG	PowerPlex® Fusion 5C (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
DZCMYP	PowerPlex® Fusion 5C (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
ENE7MU	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	--
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	--	--	23.2,24.2	9,9.3	11,11
	16,17	10	--	--	2	
EPAPNV	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
EZDVPN	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
F6ZCN3	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
FB2NKY	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	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 4sp - STR Results

FNWCLJ	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
FRG8MQ	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
FVRHFK	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
FWL6UA	GlobalFiler™ (GeneMapper ID-X 1.6)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
FWNTD9	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
G3RYN6	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10				
G42NKW	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	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 4sp - STR Results

G76LPX	PowerPlex® Fusion 5c						
		[12],17.3	17,[19]	11,14	15,17	11	
	4sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14,[15]	30,31.2	16	X,Y	10,11,[12]
		22,25	9,12	12,15,[23]		9,9.3	[10],11
	16,17	10					
GMV24L	PowerPlex® Fusion (STRMix)						
		17.3,17.3	17,17	11,14	15,17	11,11	
	4sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11,11
	16,17	10					
GWZCNZ	PowerPlex® Fusion 5C						
		17.3	17	11,14	15,17	11	
	4sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11
	16,17	10					
GZYMKZ	PowerPlex® 5C						
		17.3	17	11,14	15,17	11	
	4sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11
	16,17	10					
H2XLPJ	PowerPlex® Fusion 5C						
		17.3	17	11,14	15,17	11	
	4sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11
	16,17	10					
H8FHZU	PowerPlex® Fusion 5c						
		17.3	17	11,14	15,17	11	
	4sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11
	16,17	10					
HANB2D	Investigator® 24plex QS						
		17.3,17.3	17,17	11,14	15,17	11,11	
	4sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11,11
	16,17	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 4sp - STR Results

HPYWMP	PowerPlex® Fusion 5C (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
HUB3ZA	GlobalFiler™ (STRmix)					
	17.3,18.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,23,25			23.2,24.2	9,9.3	11
	16,17	10			2	
HUFD2M	GlobalFiler™ (STRmix 2.9.1)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
HY7VU6	GlobalFiler™					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
HYNKHR	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
J7MHRF	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
J8H2TG	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	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 4sp - STR Results

J9T3EF	GlobalFiler™ (STRMIX)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
JF29UZ	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
JF8XAN	GlobalFiler™					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
JFANF8	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
JG4ELL	PowerPlex® Fusion (STRmix v2.9)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
JG67H9	PowerPlex® Fusion 5C (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
JTXLPH	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	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 4sp - STR Results

JXK3PV	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
K2L6XM	GlobalFiler™					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
K3CWW	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
K4WNJD	GlobalFiler™ (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
KGXJFK	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25,[26]			23.2,24.2	9,9.3	11,11
	16,17	10			2	
KHVRN4	PowerPlex® Fusion 5C					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
KKWX3A	Investigator® 24plex QS					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	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 4sp - STR Results

KNYR6L	GlobalFiler™ (STRmix)						
		17.3	17	11,14	15,17	11	
	4sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11
	16,17	10			2		
KPB9FE	GlobalFiler™ (STRmix)						
		17.3	17	11,14	15,17	11	
	4sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11
	16,17	10			2		
KRTE8V	PowerPlex® Fusion						
		17.3	17	11,14	15,17	11	
	4sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11
	16,17	10					
KVC8HX	GlobalFiler™						
		17.3,17.3	17,17	11,14	15,17	11,11	
	4sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2		
KX7BHP	GlobalFiler™						
		17.3	17	11,14	15,17	11	
	4sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11
	16,17	10			2		
L9H3J6	GlobalFiler™						
		17.3	17	11,14	15,17	11	
	4sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11
	16,17	10			2		
L9KP34	PowerPlex® Fusion 5C						
		17.3	17	11,14	15,17	11	
	4sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11
	16,17	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 4sp - STR Results

LCWX2M	GlobalFiler™					
		12,15,17.3	17,19	11,14	14,15,17	11,12
	4sp	8,9,12	12,15	13,14,15	18,19,22	10,12,13
		12,14,16	13,14,15	28,29,30,31.2	14,16,17	X,Y
		20,22,25,26			14,16,23.2,24.2	7,9,9.3
	15,16,17	10			2	
LDRF23	PowerPlex® Fusion 6C (STRmix v 2.9)					
		17.3	17	11,14	15,17	11
	4sp	9,12	12,15	14,15	18	10,12
		14,16	13,14	30,31.2	16	X,Y
		22,25	9,12	12,15	23.2,24.2	9,9.3
	16,17	10	17	17		
LHHE7R	GlobalFiler™					
		17.3,17.3	17,17	11,14	15,17	11,11
	4sp	9,12	12,15	14,15	18,18	10,12
		14,16	13,14	30,31.2	16,16	X,Y
		22,25			23.2,24.2	9,9.3
	16,17	10			2	
LKE7R6	PowerPlex® Fusion (STRmix)					
		17.3	17	11,14	15,17	11
	4sp	9,12	12,15	14,15	18	10,12
		14,16	13,14	30,31.2	16	X,Y
		22,25	9,12	12,15		9,9.3
	16,17	10				
LL82A8	PowerPlex® Fusion (STRmix)					
		17.3	17	11,14	15,17	11
	4sp	9,12	12,15	14,15	18	10,12
		14,16	13,14	30,31.2	16	X,Y
		22,25	9,12	12,15		9,9.3
	16,17	10				
LRXAY8	GlobalFiler™ (STRmix)					
		17.3	17	11,14	15,17	11
	4sp	9,12	12,15	14,15	18	10,12
		14,16	13,14	30,31.2	16	X,Y
		22,25			23.2,24.2	9,9.3
	16,17	10			2	
LT2UAU	PowerPlex® Fusion					
		17.3	17	11,14	15,17	11
	4sp	[8],9,12	12,15	14,15	18	10,12,[13]
		[12],14,16	13,14	30,31.2	16	X,Y
		22,25	9,12	12,15		9,9.3
	16,17	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 4sp - STR Results

LTHZDQ	PowerPlex® Fusion 5C					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
LW3RNT	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
M8JCU2	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
M8NPKJ	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
M9GMNJ	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
MBHQF7	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
MCE7R3	PowerPlex® Fusion 5C					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	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 4sp - STR Results

MCGXJJ	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
MD7LVT	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
MEKNQX	PowerPlex® Fusion 5C					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
MMRQ3T	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
MRRET7	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
N42CBE	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
N4B7JU	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	NA
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	NA	NA	23.2,24.2	9,9.3	11,11
	16,17	10	NA	NA	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 4sp - STR Results

N6WYP4	PowerPlex® Fusion 5C					
	17,3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
N9W79G	PowerPlex® Fusion (STRmix)					
	17,3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
NA3N7C	PowerPlex® Fusion (STRmix)					
	17,3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
NALYUT	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	29,30,31.2	16	X,Y	10,11
	22,25	9,12	12,15,17		9,9.3	10,11
	16,17	10				
NK34LP	PowerPlex® Fusion 5C					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
NN2EGP	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
NY2RXP	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	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 4sp - STR Results

PEWZPE	GlobalFiler™						
		17.3	17	11,14	15,17	11	
	4sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11
	16,17	10			2		
PKPZ4B	PowerPlex® 35GY (STRmix 2.12)						
		17.3	17	11,14	15,17	11	
	4sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25	9,12	12,15	23.2,24.2	9,9.3	11
	16,17						
PM7Y6R	GlobalFiler™						
		17.3,17.3	17,17	11,14	15,17	11,11	NA
	4sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25	NA	NA	23.2,24.2	9,9.3	11,11
	16,17	10	NA	NA	2		
Q7HHM8	GlobalFiler™ (STRmix)						
		17.3	17	11,14	15,17	11	
	4sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11
	16,17	10			2		
Q8DYY4	PowerPlex® Fusion 5C (STRmix v2.9)						
		17.3,17.3	17,17	11,14	15,17	11,11	
	4sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11,11
	16,17	10					
Q8WZQD	PowerPlex® Fusion						
		17.3,17.3	17,17	11,14	15,17	11,11	
	4sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11,11
	16,17	10					
QC6BUZ	GlobalFiler™						
		17.3	17	11,14	15,17	11	
	4sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11
	16,17	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 4sp - STR Results

QFMLVB	PowerPlex® Fusion 5C (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
QTBRKY	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
R3CFCW	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
R48XEX	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
R4AP7D	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
R8CJAB	PowerPlex® Fusion (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
R8Q6JC	GlobalFiler™ (STR Mix 2.13.0)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	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 4sp - STR Results

R9GBWW	PowerPlex® Fusion 5C					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
RDVVZW	GlobalFiler™					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
RKBRKX	PowerPlex® Fusion, 21, Verifiler Express					
	17.3,17.3	17,17	11,14	15,17	11,11	11,12
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10			2	
RNN3LN	PowerPlex® Fusion					
	[15],17.3	17,[19]	11,14	[14],15,17	11,[12]	
4sp	[8],9,12	12,15	14,15	18	10,12,[13]	11
	14,16	13,14	[29],30,31.2	16	X,Y	10,11,[12]
	22,25	9,12	12,15,[17]		[7],9,9.3	11
	16,17	10				
RQWMKF	PowerPlex®, GlobalFiler™					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
RRR6LG	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
RUHUXR	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	NA
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	NA	NA	23.2,24.2	9,9.3	11,11
	16,17	10	NA	NA	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 4sp - STR Results

RXHHM6	Investigator® 24plex QS					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10				
T42ZHR	GlobalFiler™					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
T6VV2U	GlobalFiler™ PCR Amplification Kit					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
T6YFPX	GlobalFiler™					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
T6ZBCA	PowerPlex® Fusion 5C (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
TARF6E	PowerPlex® Fusion (STRMix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
TEYN2H	PowerPlex® 5C					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	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 4sp - STR Results

TFRJKK	Investigator® 24plex (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10				
TGTR2B	PowerPlex® Fusion 5C					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,inc	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
TH3WEY	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
TJWMKE	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
TJYEGZ	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
TMH8R4	Investigator® 24plex QS					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10				
TNMWUC	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	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 4sp - STR Results

TWKUFU	PowerPlex® Fusion 6C (DNAxs)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15	23.2,24.2	9,9.3	11,11
	16,17	10	17	17		
TX8VBQ	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	[8],9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	[28],30,31.2	16,16	X,Y	10,11
	22,25,[26]			23.2,24.2	9,9.3	11,11
	16,17	10			2	
TXF4YB	GlobalFiler™					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
U3AJNB	GlobalFiler™, Yfiler™™ Plus					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			[0,14],23.2,24.2	9,9.3	11,11
	16,17	10			2	
U4H4HL	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
UFU7PV	PowerPlex® Fusion 5C (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
UGMWVA	PowerPlex® Fusion 5C (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	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 4sp - STR Results

UK6JLH	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
UQUET8	PowerPlex® Fusion 5C					
	17.3,17.3	17,17	11,14	15,17	11,11	-
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15	-	9,9.3	11,11
	16,17	10	-	-	-	
UV6RB7	PowerPlex® 5C (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
UVND4W	GlobalFiler™					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
V27Q9J	Investigator® 24plex (STRMix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10				
V2RTC6	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
V648PJ	PowerPlex® Fusion 5c					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	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 4sp - STR Results

VC9LH7	PowerPlex® Fusion 5C					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
VMUQP7	PowerPlex® Fusion 5C (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
VRKZY4	GlobalFiler™ (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	20,22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
WV4E34	PowerPlex® Fusion (STRmix 2.9.0)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
WVPGG9	GlobalFiler™ (STRMix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
WX3GT	GlobalFiler™					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2	
VXUAB7	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	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 4sp - STR Results

VYHPF9	PowerPlex® Fusion (STRMIX)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
VYKEMQ	PowerPlex® Fusion 5C					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
WJ4483	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
WQPYBR	PowerPlex® Fusion 5C (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
WU3JFR	GlobalFiler™					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	10			2	
WXHQBE	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
XHAD2N	GlobalFiler™					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	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 4sp - STR Results

XM4E43	GlobalFiler™ (STRmix)						
		12,17.3	17	11,14	15,17	11	
	4sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11
	16,17	10			2		
XP2K8G	GlobalFiler™						
		17.3,17.3	17,17	11,14	15,17	11,11	
	4sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11,11
	16,17	10,10			2,2		
XVDZPB	GlobalFiler™						
		17.3,17.3	17,17	11,14	15,17	11,11	
	4sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11,11
	16,17	10			2		
Y2C8ZE	PowerPlex® Fusion						
		17.3	17	11,14	15,17	11	
	4sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11
	16,17	10					
YGBWXP	GlobalFiler™						
		17.3	17	11,14	15,17	11	
	4sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11
	16,17	10			2		
YHKRQ9	PowerPlex® 5C (STRmix)						
		17.3	17	11,14	15,17	11	
	4sp	9,12	12,15	14,15	18	10,12	11
		14,16	13,14	30,31.2	16	X,Y	10,11
		22,25	9,12	12,15		9,9.3	11
	16,17	10					
YZJUJ7	GlobalFiler™						
		17.3,17.3	17,17	11,14	15,17	11,11	
	4sp	9,12	12,15	14,15	18,18	10,12	11,11
		14,16	13,14	30,31.2	16,16	X,Y	10,11
		22,25			23.2,24.2	9,9.3	11,11
	16,17	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 4sp - STR Results

Z2C8LP	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
ZA76G6	PowerPlex® Fusion (STRmix)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
ZC6BGD	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
ZGKLUG	PowerPlex® Fusion					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11
	16,17	10				
ZQBJPL	PowerPlex®					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15	23.2,24.2	9,9.3	11,11
	16,17	10	17	17		
ZRQ4EQ	PowerPlex® Fusion 5C (STRmix for epithelial fraction only)					
	17.3,17.3	17,17	11,14	15,17	11,11	
4sp	9,12	12,15	14,15	18,18	10,12	11,11
	14,16	13,14	30,31.2	16,16	X,Y	10,11
	22,25	9,12	12,15		9,9.3	11,11
	16,17	10				
ZVNFH3	GlobalFiler™ (STRmix)					
	17.3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23.2,24.2	9,9.3	11
	16,17	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 4sp - STR Results

ZZFQAT	GlobalFiler™ (STRmix)					
	17,3,18,3	17	11,14	15,17	11	
4sp	9,12	12,15	14,15	18	10,12	11
	14,16	13,14	30,31.2	16	X,Y	10,11
	22,25			23,2,24.2	9,9.3	11
	16,17	10			2	

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

274VF2	PowerPlex® Y 23								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		22
		13	13	17	16		23	10	12
27XJUQ	Yfiler™								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		
							23		12
27YEG4	PowerPlex® Y 23								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		22
		13	13	17	16		23	10	12
27Z7DQ	PowerPlex® Y 23								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		22
		13	13	17	16		23	10	12
2D2NNV	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
2MTWGY	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
2QH8VC	Yfiler™								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		
							23		12
33J44Y	PowerPlex® Y 23								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		22
		13	13	17	16		23	10	12
33VXLK	PowerPlex® Y 23								
	not tested	14	12,14	13	29	24	11	13	13
2	15	12	11	19	not tested	17	18	not tested	22
	not tested	13	13	17	16	not tested	23	10	12
3DHUVY	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
3J7JBV	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12

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									
4H6BCG	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
4KWZ8V	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
68WFNC	Yfiler™								
	N/A	14	12,14	13	29	24	11	13	13
2	15	12	11	19	N/A	17	18	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	12
69TW29	Yfiler™								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		
							23		12
6WKQWR	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
6XF79P	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
6XG784	PowerPlex® Y 23								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		22
		13	13	17	16		23	10	12
8AJEXK	Yfiler™								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		
							23		12
8NYWNA	Yfiler™								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		
							23		12
8Q8KHX	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
8WA4JD	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
8ZE8LR	PowerPlex® Y 23								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		22
		13	13	17	16		23	10	12

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

999K7R	PowerPlex® 35GY								
			12,14			24			
2	12			19		17	18		22
							23	10	
9KBPY7	PowerPlex® Y 23								
	-	14	12,14	13	29	24	11	13	13
2	15	12	11	19	-	17	18	-	22
	-	13	13	17	16	-	23	10	12
9NU2G9	Yfiler™								
	N/A	14	12,14	13	29	24	11	13	13
2	15	12	11	19	N/A	17	18	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	12
9T6UT8	PowerPlex® Y 23								
			12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		22
		13	13	17	16		23	10	12
9TTLZQ	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
A3W6QZ	Yfiler™ Plus (Direct mode)								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
A832AZ	Yfiler™ Plus Direct Mode								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
AQ2W6C	PowerPlex® Y 23								
	-----	14	12,14	13	29	24	11	13	13
2	15	12	11	19	-----	17	18	-----	22
	-----	13	13	17	16		23	10	12
AUZBQF	PowerPlex® Y 23								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		22
		13	13	17	16		23	10	12
BCZKAD	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
BH2EY9	Yfiler™								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		
							23		12
BKCW7B	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
D8DVNQ	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
DAVJU6	Yfiler™								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		
							23		12
DLF9YW	Yfiler™ Plus Direct Mode								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
EPAPNV	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
F2C6ZY	Yfiler™								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		
							23		12
F6ZCN3	Yfiler™								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		
							23		12
FNWCLJ	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
FRG8MQ	Yfiler™ Plus: Direct Mode								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
FVRHFK	PowerPlex® Y 23								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		22
		13	13	17	16		23	10	12
FWL6UA	PowerPlex® Y 23								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		22
		13	13	17	16		23	10	12
FWNTD9	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
G76LPX	PowerPlex® Y 23								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		22
		13	13	17	16		23	10	12

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									
HUB3ZA	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
HY7VU6	Yfiler™								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		
							23		12
HYNKHR	PowerPlex® Y 23								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		22
		13	13	17	16		23	10	12
J7MHRF	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
J8H2TG	PowerPlex® Y 23								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		22
		13	13	17	16		23	10	12
J9T3EF	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
JF8XAN	PowerPlex® Y 23								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		22
		13	13	17	16		23	10	12
JTXLPH	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
K2L6XM	PowerPlex® Y 23								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		22
		13	13	17	16		23	10	12
K4VTW2	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
K4WNJD	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
KGXJFK	Yfiler™ Plus: Direct Mode								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12

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									
KHVRN4	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
KPB9FE	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
KVC8HX	Yfiler™								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		
							23		12
KX7BHP	Yfiler™								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
L9H3J6	Yfiler™								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		
							23		12
L9KP34	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
LRXAY8	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
M9GMNJ	Yfiler™ Plus in Direct mode								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
MBHQF7	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
MCE7R3	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
MCGXJ	Yfiler™ Plus Direct mode								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
MEKNQX	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
MRRET7	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
N4B7JU	Yfiler™								
	NA	14	12,14	13	29	24	11	13	13
2	15	12	11	19	NA	17	18	NA	NA
	NA	NA	NA	NA	NA	NA	23	NA	12
PEWZPE	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
PKPZ4B	PowerPlex® 35GY								
			12,14			24	11		
2		12		19		17	18		22
							23	10	
PM7Y6R	Yfiler™								
	NA	14	12,14	13	29	24	11	13	13
2	15	12	11	19	NA	17	18	NA	NA
	NA	NA	NA	NA	NA	NA	23	NA	12
Q8DYY4	PowerPlex® Y 23								
		14	12,14	13	29	24	11	13	13
2		15	12	11	19		17	18	22
			13	13	17	16		23	10
									12
QC6BUZ	Yfiler™								
		14	12,14	13	29	24	11	13	13
2		15	12	11	19		17	18	
							23		12
R48XEX	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
R4AP7D	Yfiler™ Plus Direct Mode								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
R8Q6JC	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
RDVZWZ	Yfiler™								
		14	12,14	13	29	24	11	13	13
2		15	12	11	19		17	18	
							23		12
RKBRKX	Yfiler™ Plus, PowerPlex® Y 23, Microreader™ Y PRIME Plus ID System								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13	13	17	16	18	23	10	12

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

RQWMKF	PowerPlex® Y 23								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		22
		13	13	17	16		23	10	12
RRR6LG	Yfiler™ Plus: Direct Mode								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
RUHUXR	Yfiler™								
	NA	14	12,14	13	29	24	11	13	13
2	15	12	11	19	NA	17	18	NA	NA
	NA	NA	NA	NA	NA	NA	23	NA	12
T2FFB3	PowerPlex® Y 23								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		22
		13	13	17	16		23	10	12
T6VV2U	Yfiler™ Plus Amplification Kit								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
T6YFPX	Yfiler™								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		
							23		12
TFRJJK	Yfiler™								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		
							23		12
TH3WEY	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
TJWMKE	Yfiler™ Plus Direct Mode								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
TNMWUC	Yfiler™ Plus Direct Mode								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
TXF4YB	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
UVND4W	Yfiler™								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		
							23		12

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

V27Q9J	Yfiler™								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		
							23		12
VMUQP7	PowerPlex® Y 23								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		22
		13	13	17	16		23	10	12
VRKZY4	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
VYKEMQ	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
WTKCJJ	PowerPlex® Y 23								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		22
		13	13	17	16		23	10	12
WU3JFR	Yfiler™								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		
							23		12
XVDZPB	Yfiler™ Plus (Direct mode)								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
YGBWXP	Yfiler™								
		14	12,14	13	29	24	11	13	13
2	15	12	11	19		17	18		
							23		12
YZJUJ7	Yfiler™ Plus Direct Mode								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
Z2C8LP	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12
ZZFQAT	Yfiler™ Plus								
	35,37	14	12,14	13	29	24	11	13	13
2	15	12	11	19	29	17	18	11	22
	37	13		17	16	18	23		12

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

9KBPY7	PowerPlex® Y 23								
	-	14	16	13	29	25	10	13	12
3	14	11	11	20	-	17	16.2	-	26
	-	11	12	17	17	-	21	9	10
BCZKAD	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
D8DVNQ	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
EWZZB	PP35GY								
			16			25	10		
3		11		20		17	16.2		26
							21	9	
F2C6ZY		14	16	13	29	25	10	13	12
3	14	11	11	20		17	OL		
							21		10
K4VTW2	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
T2FFB3	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
3	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
WTKCJJ	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
3	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10

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									
274VF2	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
27XJUQ	Yfiler™								
		14	16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		26
							21		10
27YEG4	PowerPlex® Y 23								
3e									
2D2NNV	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
2MTWGY	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
2QH8VC	Yfiler™								
		14	16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		26
							21		10
33J44Y	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
3DHUVY	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
3J7J8V	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
4H6BCG	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
4KWZ8V	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
68WFNC	Yfiler™								
	N/A	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	N/A	17	16.2	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	10

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									
69TW29	Yfiler™								
		14	16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		10
							21		
6WKQWR	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
6XF79P	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
6XG784	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
8AJEXK	Yfiler™								
		14	16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		10
							21		
8NYWNA	Yfiler™								
		14	16,16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		10
							21		
8Q8KHX	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
8WA4JD	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
8ZE8LR	PowerPlex® Y 23								
			16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
999K7R	PowerPlex® 35GY								
			16			25			
3e		11		20		17	16.2		26
							21	9	
9NU2G9	Yfiler™								
	N/A	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	N/A	17	16.2	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	10
9T6UT8	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10

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									
9TTLZQ	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
A3W6QZ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
A832AZ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
AQ2W6C	PowerPlex® Y 23								
	-----	14	16	13	29	25	10	13	12
3e	14	11	11	20	17	17	16.2	9	26
		11	12	17			21		10
AUZBQF	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
3e	14	11	11	20	17	17	16.2	9	26
		11	12	17			21		10
BH2EY9	Yfiler™								
		14	16,16	13	29	25	10	13	12
3e	14	11	11	20	17	17	16.2	9	26
							21		10
BKCW7B	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
DAVJU6	Yfiler™								
		14	16,16	13	29	25	10	13	12
3e	14	11	11	20	17	17	16.2	9	26
							21		10
DLF9YW	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
EPAPNV	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
F6ZCN3	Yfiler™								
		14	16,16	13	29	25	10	13	12
3e	14	11	11	20	17	17	16.2	9	26
							21		10
FNWCLJ	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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

FRG8MQ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
FVRHFK	PowerPlex® Y 23								
3e									
FWL6UA	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
FWNTD9	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
G76LPX	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
HUB3ZA	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
HY7VU6	Yfiler™								
		14	16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		10
							21		
HYNKHR	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
J7MHRF	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
J8H2TG	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
J9T3EF	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
JF8XAN	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

JTXLPH	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
3e	40	11		17	17	22	21		10
K2L6XM	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
	14	11	11	20		17	16.2		26
3e		11	12	17	17		21	9	10
K4WNJD	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
3e	40	11		17	17	22	21		10
KGXJFK	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
3e	40	11		17	17	22	21		10
KHVRN4	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
3e	40	11		17	17	22	21		10
KPB9FE	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
3e	40	11		17	17	22	21		10
KVC8HX									
		14	16,16	13	29	25	10	13	12
	14	11	11	20		17	16.2		26
3e							21		10
KX7BHP	Yfiler™								
	37,40	14	16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
3e	40	11		17	17	22	21		10
L9H3J6	Yfiler™								
		14	16	13	29	25	10	13	12
	14	11	11	20		17	16.2		26
3e							21		10
L9KP34	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
3e	40	11		17	17	22	21		10
LRXAY8	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
3e	40	11		17	17	22	21		10
M9GMNJ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
3e	40	11		17	17	22	21		10

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									
MBHQF7	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
MCE7R3	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
MCGXJ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
MEKNQX	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
MRRET7	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
N4B7JU	Yfiler™								
	NA	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	NA	17	16.2	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	10
PEWZPE	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
PKPZ4B	PowerPlex® 35GY								
			16			25	10		
3e		11		20		17	16.2		26
							21	9	
PM7Y6R	Yfiler™								
	NA	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	NA	17	16.2	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	10
QC6BUZ	Yfiler™								
		14	16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		
							21		10
R48XEX	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
R4AP7D	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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

R8Q6JC	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
RDVVZW	Yfiler™								
		14	16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		
							21		10
RKBRKX	Yfiler™ Plus, PowerPlex® Y 23, Microreader™ Y PRIME Plus ID System								
3e									
RQWMKF	PowerPlex® Y 23								
3e									
RRR6LG	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
RUHUXR	Yfiler™ Plus								
	NA	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	NA	17	16.2	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	10
T6VV2U	Yfiler™ Plus Amplification Kit								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
T6YFPX	Yfiler™								
		14	16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		
							21		10
TFRJJK	Yfiler™								
		14	16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		
							21		10
TH3WEY	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
TJWMKE	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
TNMMUC	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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

TXF4YB	Yfiler™ Plus								
3e	[REDACTED]								
U3AJNB	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
UVND4W	Yfiler™								
		14	16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		
							21		10
V27Q9J	Yfiler™								
		14	16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		
							21		10
VMUQP7	Yfiler™								
		14	16,16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
VRKZY4	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
WX3GT	Yfiler™ Plus								
3e	[REDACTED]								
VYKEMQ	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
WU3JFR	Yfiler™								
		14	16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		
							21		10
XVDZPB	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
YGBWXP	Yfiler™								
		14	16	13	29	25	10	13	12
3e	14	11	11	20		17	16.2		
							21		10
YZJUJ7	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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

Z2C8LP	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
ZZFQAT	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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									
274VF2	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
3sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
27XJUQ	Yfiler™								
		14	16	13	29	25	10	13	12
3sp	14	11	11	20		17	16.2		26
							21		10
27YEG4	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
3sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
2D2NNV	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
2MTWGY	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
2QH8VC	Yfiler™								
		14	16	13	29	25	10	13	12
3sp	14	11	11	20		17	16.2		26
							21		10
33J44Y	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
3sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
3DHUVY	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
3J7J8V	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
4H6BCG	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
4KWZ8V	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
68WFNC	Yfiler™								
	N/A	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	N/A	17	16.2	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	10

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
69TW29	Yfiler™								
		14	16	13	29	25	10	13	12
3sp	14	11	11	20		17	16.2		10
							21		
6WKQWR	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
6XF79P	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
6XG784	PowerPlex® Y 23								
3sp									
8AJEXK	Yfiler™								
		14	16	13	29	25	10	13	12
3sp	14	11	11	20		17	16.2		10
							21		
8NYWNA	Yfiler™								
		14	16,16	13	29	25	10	13	12
3sp	14	11	11	20		17	16.2		10
							21		
8Q8KHX	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
8WA4JD	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
8ZE8LR	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
3sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
999K7R	PowerPlex® 35GY								
			16			25			
3sp		11		20		17	16.2		26
							21	9	
9NU2G9	Yfiler™								
	N/A	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	N/A	17	16.2	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	10
9T6UT8	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
3sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
9TTLZQ	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
A3W6QZ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
A832AZ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
AQ2W6C	PowerPlex® Y 23								
	-----	14	16	13	29	25	10	13	12
3sp	14	11	11	20	17	17	16.2	26	26
		11	12	17	17		21	9	10
AUZBQF	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	17	17	16.2	26	26
		11	12	17	17		21	9	10
BH2EY9	Yfiler™								
		14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	17	17	16.2	26	26
							21		10
BKCW7B	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
DAVJU6	Yfiler™								
		14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	17	17	16.2	26	26
							21		10
DLF9YW	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
EPAPNV	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
F6ZCN3	Yfiler™								
		14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	17	17	16.2	26	26
							21		10
FNWCLJ	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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

FRG8MQ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
FVRHFK	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
FWL6UA	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
FWNTD9	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
G76LPX	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
HUB3ZA	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
HY7VU6	Yfiler™								
		14	16	13	29	25	10	13	12
	14	11	11	20		17	16.2		26
							21		10
HYNKHR	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
J7MHRF	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
J8H2TG	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
J9T3EF	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
JF8XAN	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
JTXLPH	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
K2L6XM	PowerPlex® Y 23								
3sp									
K4WNJD	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
KGXJFK	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
KHVRN4	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
KPB9FE	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
KVC8HX		14	16,16	13	29	25	10	13	12
3sp	14	11	11	20		17	16.2		
							21		10
KX7BHP	Yfiler™								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
L9H3J6	Yfiler™								
		14	16	13	29	25	10	13	12
3sp	14	11	11	20		17	16.2		
							21		10
L9KP34	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
LRXAY8	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
M9GMNJ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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									
MBHQF7	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
MCE7R3	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
MCGXJJ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
MEKNQX	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
MRRET7	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
N4B7JU	Yfiler™								
	NA	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	NA	17	16.2	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	10
PEWZPE	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
PKPZ4B	PowerPlex® 35GY								
			16			25	10		
3sp		11		20		17	16.2		26
							21	9	
PM7Y6R	Yfiler™								
	NA	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	NA	17	16.2	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	10
QC6BUZ	Yfiler™								
		14	16	13	29	25	10	13	12
3sp	14	11	11	20		17	16.2		
							21		10
R48XEX	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
R4AP7D	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
R8Q6JC	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
RDVVZW	Yfiler™								
		14	16	13	29	25	10	13	12
3sp	14	11	11	20		17	16.2		
							21		10
RKBRKX	Yfiler™ Plus, PowerPlex® Y 23, Microreader™ Y PRIME Plus ID System								
	37,40	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11	12	17	17	22	21	9	10
RQWMKF	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
3sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
RRR6LG	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
RUHUXR									
	NA	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	NA	17	16.2	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	10
T6V2U	Yfiler™ Plus Amplification Kit								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
T6YFPX	Yfiler™								
		14	16	13	29	25	10	13	12
3sp	14	11	11	20		17	16.2		
							21		10
TFRJJK	Yfiler™								
		14	16	13	29	25	10	13	12
3sp	14	11	11	20		17	16.2		
							21		10
TH3WEY	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
TJWMKE	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
TNMWUC	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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

TXF4YB	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
3sp	40	11		17	17	22	21		10
U3AJNB	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
3sp	40	11		17	17	22	21		10
UVND4W	Yfiler™								
		14	16	13	29	25	10	13	12
	14	11	11	20		17	16.2		
3sp							21		10
V27Q9J	Yfiler™								
		14	16	13	29	25	10	13	12
	14	11	11	20		17	16.2		
3sp							21		10
VRKZY4	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
3sp	40	11		17	17	22	21		10
VWX3GT	Yfiler™ Plus								
	3sp								
VYKEMQ	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
3sp	40	11		17	17	22	21		10
WU3JFR	Yfiler™								
		14	16	13	29	25	10	13	12
	14	11	11	20		17	16.2		
3sp							21		10
XVDZPB	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
3sp	40	11		17	17	22	21		10
YGBWXP	Yfiler™								
		14	16	13	29	25	10	13	12
	14	11	11	20		17	16.2		
3sp							21		10
YZJUJ7	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
3sp	40	11		17	17	22	21		10
Z2C8LP	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
	14	11	11	20	28	17	16.2	11	26
3sp	40	11		17	17	22	21		10

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

ZZFQAT	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
3sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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

9KBPY7	PowerPlex® Y 23								
	-	14	16	13	29	25	10	13	12
4	14	11	11	20	-	17	16.2	-	26
	-	11	12	17	17	-	21	9	10
BCZKAD	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
D8DVNQ	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
EWZZB	PP35GY								
			16			25	10		
4		11		20		17	16.2		26
							21	9	
F2C6ZY		14	16	13	29	25	10	13	12
4	14	11	11	20		17	OL		
							21		10
K4VTW2	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
T2FFB3	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
4	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
WTKCJJ	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
4	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10

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 4e - YSTR Results									
274VF2	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
4e	14	11	11	20	17	16.2	26		
		11	12	17	17	21	9	10	
27XJUQ	Yfiler™								
		14	16	13	29	25	10	13	12
4e	14	11	11	20	17	16.2	26		
						21		10	
27YEG4	PowerPlex® Y 23								
4e									
27Z7DQ	PowerPlex® Y 23								
4e									
2D2NNV	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
2MTWGY	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
2QH8VC	Yfiler™								
		14	16	13	29	25	10	13	12
4e	14	11	11	20	17	16.2	26		
						21		10	
33J44Y	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
4e	14	11	11	20	17	16.2	26		
		11	12	17	17	21	9	10	
33VXLK	PowerPlex® Y 23								
	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested
4e	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	not tested	not tested	not tested	not tested
3DHUVY	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
3J7J8V	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
4H6BCG	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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 4e - YSTR Results

4KWZ8V	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
	4e	14	11	11	20	28	17	16.2	11
	40	11		17	17	22	21		10
68WFNC	Yfiler™								
	N/A	14	16,16	13	29	25	10	13	12
	4e	14	11	11	20	N/A	17	16.2	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	10
69TW29	Yfiler™								
		14	16	13	29	25	10	13	12
	4e	14	11	11	20	17	16.2		
							21		10
6WKQWR	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
	4e	14	11	11	20	28	17	16.2	11
	40	11		17	17	22	21		10
6XF79P	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
	4e	14	11	11	20	28	17	16.2	11
	40	11		17	17	22	21		10
8AJEXK	Yfiler™								
		14	16	13	29	25	10	13	12
	4e	14	11	11	20	17	16.2		
							21		10
8NYWNA	Yfiler™								
		14	16,16	13	29	25	10	13	12
	4e	14	11	11	20	17	16.2		
							21		10
8Q8KHX	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
	4e	14	11	11	20	28	17	16.2	11
	40	11		17	17	22	21		10
8WA4JD	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
	4e	14	11	11	20	28	17	16.2	11
	40	11		17	17	22	21		10
8ZE8LR	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
	4e	14	11	11	20	17	16.2		26
		11	12	17	17		21	9	10
999K7R	PowerPlex® 35GY								
			16			25			
	4e		11		20	17	16.2		26
							21	9	
9NU2G9	Yfiler™								
	N/A	14	16,16	13	29	25	10	13	12
	4e	14	11	11	20	N/A	17	16.2	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	10

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 4e - YSTR Results									
9T6UT8	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
9TTLZQ	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
A3W6QZ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
A832AZ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
AQ2W6C	PowerPlex® Y 23								
	-----	14	16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
AUZBQF	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
BH2EY9	Yfiler™								
		14	16,16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		26
							21		10
BKCW7B	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
DAVJU6	Yfiler™								
		14	16,16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		26
							21		10
DLF9YW	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
EPAPNV	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
F6ZCN3	Yfiler™								
		14	16,16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		26
							21		10

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 4e - YSTR Results

FNWCLJ	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
FRG8MQ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
FVRHFK	PowerPlex® Y 23								
4e									
FWL6UA	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
FWNTD9	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
G76LPX	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
HUB3ZA	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
HY7VU6	Yfiler™								
		14	16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		26
							21		10
HYNKHR	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
J7MHRF	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
J8H2TG	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
J9T3EF	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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 4e - YSTR Results

JF8XAN	PowerPlex® Y 23								
4e									
JTXLPH	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
K4WNJD	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
KGXJFK	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
KHVRN4	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
KPB9FE	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
KVC8HX	Yfiler™								
		14	16,16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		
							21		10
KX7BHP	Yfiler™								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
L9H3J6	Yfiler™								
		14	16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		
							21		10
L9KP34	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
LRXAY8	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
M9GMNJ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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 4e - YSTR Results									
MBHQF7	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
MCE7R3	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
MCGXJ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
MEKNQX	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
MRRET7	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
N4B7JU	Yfiler™								
	NA	14	16,16	13	29	25	10	13	12
4e	14	11	11	20	NA	17	16.2	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	10
PEWZPE	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
PKPZ4B	PowerPlex® 35GY								
			16				10		
4e		11		20		17	16.2		26
							21	9	
PM7Y6R	Yfiler™								
	NA	14	16,16	13	29	25	10	13	12
4e	14	11	11	20	NA	17	16.2	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	10
Q8DYY4	PowerPlex® Y 23								
4e									
QC6BUZ	Yfiler™								
		14	16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		
							21		10
R48XEX	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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 4e - YSTR Results

R4AP7D	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
R8Q6JC	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
RDVZW	Yfiler™								
		14	16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		
							21		10
RKBRKX	Yfiler™ Plus, PowerPlex® Y 23, Microreader™ Y PRIME Plus ID System								
4e									
RQWMKF	PowerPlex® Y 23								
4e									
RRR6LG	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
RUHUXR	Yfiler™								
	NA	14	16,16	13	29	25	10	13	12
4e	14	11	11	20	NA	17	16.2	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	10
T6VV2U	Yfiler™ Plus Amplification Kit								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
T6YFPX	Yfiler™								
		14	16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		
							21		10
TFRJKK	Yfiler™								
		14	16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		
							21		10
TH3WEY	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
TJWMKE	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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 4e - YSTR Results

TNMWUC	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
TXF4YB	Yfiler™ Plus								
4e									
UVND4W	Yfiler™								
		14	16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		
							21		10
V27Q9J	Yfiler™								
		14	16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		
							21		10
VMUQP7	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
VRKZY4	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
VYKEMQ	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
WU3JFR	Yfiler™								
		14	16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		
							21		10
XVDZPB	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
YGBWXP	Yfiler™								
		14	16	13	29	25	10	13	12
4e	14	11	11	20		17	16.2		
							21		10
YZJUJ7	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
Z2C8LP	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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 4e - YSTR Results

ZZFQAT	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4e	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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 4sp - YSTR Results									
274VF2	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
27XJUQ	Yfiler™								
		14	16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		26
							21		10
27YEG4	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
27Z7DQ	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
2D2NNV	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
2MTWGY	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
2QH8VC	Yfiler™								
		14	16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		26
							21		10
33J44Y	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
33VXLK	PowerPlex® Y 23								
	not tested	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	not tested	17	16.2	not tested	26
	not tested	11	12	17	17	not tested	21	9	10
3DHUVY	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
3J7J8V	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
4H6BCG	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results									
4KWZ8V	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
68WFNC	Yfiler™								
	N/A	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	N/A	17	16.2	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	10
69TW29	Yfiler™								
		14	16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		
							21		10
6WKQWR	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
6XF79P	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
8AJEXK	Yfiler™								
		14	16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		
							21		10
8NYWNA	Yfiler™								
		14	16,16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		
							21		10
8Q8KHX	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
8WA4JD	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
8ZE8LR	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
999K7R	PowerPlex® 35GY								
			16			25			
4sp		11		20		17	16.2		26
							21	9	
9NU2G9	Yfiler™								
	N/A	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	N/A	17	16.2	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	10

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 4sp - YSTR Results									
9T6UT8	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
9TTLZQ	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
A3W6QZ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
A832AZ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
AQ2W6C	PowerPlex® Y 23								
	-----	14	16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
AUZBQF	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
BH2EY9	Yfiler™								
		14	16,16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		
							21		10
BKCW7B	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
DAVJU6	Yfiler™								
		14	16,16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		
							21		10
DLF9YW	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
EPAPNV	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
F6ZCN3									
		14	16,16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		
							21		10

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 4sp - YSTR Results									
FNWCLJ	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
FRG8MQ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
FVRHFK	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
FWL6UA	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
FWNTD9	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
G76LPX	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
HUB3ZA	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
HY7VU6	Yfiler™								
		14	16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		26
							21		10
HYNKHR	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
J7MHRF	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
J8H2TG	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
J9T3EF	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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 4sp - YSTR Results									
JF8XAN	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
JTXLPH	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
K4WNJD	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
KGXJFK	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
KHVRN4	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
KPB9FE	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
KVC8HX	Yfiler™								
		14	16,16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		
							21		10
KX7BHP	Yfiler™								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
L9H3J6	Yfiler™								
		14	16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		
							21		10
L9KP34	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
LRXAY8	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
M9GMNJ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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 4sp - YSTR Results									
MBHQF7	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
MCE7R3	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
MCGXJ	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
MEKNQX	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
MRRET7	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
N4B7JU	Yfiler™								
	NA	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	NA	17	16.2	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	10
PEWZPE	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
PKPZ4B	PowerPlex® 35GY								
			16			25	10		
4sp		11		20		17	16.2		26
							21	9	
PM7Y6R	Yfiler™								
	NA	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	NA	17	16.2	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	10
Q8DYY4	PowerPlex® Y 23								
		14	16,16	13	29	25	10	13	12
4sp		14	11	20		17	16.2		26
		11	12	17	17		21	9	10
QC6BUZ	Yfiler™								
		14	16	13	29	25	10	13	12
4sp		14	11	20		17	16.2		
							21		10
R48XEX	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results									
R4AP7D	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
R8Q6JC	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
RDVZW	Yfiler™								
		14	16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		
							21		10
RKBRKX	Yfiler™ Plus, PowerPlex® Y 23, Microreader™ Y PRIME Plus ID System								
	37,40	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11	12	17	17	22	21	9	10
RQWMKF	PowerPlex® Y 23								
		14	16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		26
		11	12	17	17		21	9	10
RRR6LG	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
RUHUXR	Yfiler™								
	NA	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	NA	17	16.2	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	10
T6VV2U	Yfiler™ Plus Amplification Kit								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
T6YFPX	Yfiler™								
		14	16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		
							21		10
TFRJKK	Yfiler™								
		14	16	13	29	25	10	13	12
4sp	14	11	11	20		17	16.2		
							21		10
TH3WEY	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
TJWMKE	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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 4sp - YSTR Results

TNMWUC	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
	4sp	14	11	11	20	28	17	16.2	11
	40	11		17	17	22	21		10
TXF4YB	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
	4sp	14	11	11	20	28	17	16.2	11
	40	11		17	17	22	21		10
U3AJNB	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
	4sp	14	11	11	20	28	17	16.2	11
	40	11		17	17	22	21		10
UVND4W	Yfiler™								
		14	16	13	29	25	10	13	12
	4sp	14	11	11	20	17	16.2		
							21		
V27Q9J	Yfiler™								
		14	16	13	29	25	10	13	12
	4sp	14	11	11	20	17	16.2		
							21		
VMUQP7	PowerPlex® Y 23								
	4sp								
VRKZY4	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
	4sp	14	11	11	20	28	17	16.2	11
	40	11		17	17	22	21		10
VYKEMQ	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
	4sp	14	11	11	20	28	17	16.2	11
	40	11		17	17	22	21		10
WU3JFR	Yfiler™								
		14	16	13	29	25	10	13	12
	4sp	14	11	11	20	17	16.2		
							21		
XVDZPB	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
	4sp	14	11	11	20	28	17	16.2	11
	40	11		17	17	22	21		10
YGBWXP	Yfiler™								
		14	16	13	29	25	10	13	12
	4sp	14	11	11	20	17	16.2		
							21		
YZJUJ7	Yfiler™ Plus								
	37,40	14	16,16	13	29	25	10	13	12
	4sp	14	11	11	20	28	17	16.2	11
	40	11		17	17	22	21		10

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 4sp - YSTR Results

Z2C8LP	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10
ZZFQAT	Yfiler™ Plus								
	37,40	14	16	13	29	25	10	13	12
4sp	14	11	11	20	28	17	16.2	11	26
	40	11		17	17	22	21		10

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
AMELOGENIN	T6V2U			X,Y			X,Y		
CSF1PO	T6V2U			10,11,12			10,11,12		
D10S1248	T6V2U			13,14,15			13,14,15		
D12S391	T6V2U			18,19,22			18,19,22		
D13S317	T6V2U			10,12,13			10,12,13		
D16S539	T6V2U			9,11,15			9,11,15		
D18S51	T6V2U			12,14,16			12,14,16		
D19S433	T6V2U			13,14,15			13,14,15		
D1S1656	T6V2U			12,15,17.3			12,15,17.3		
D21S11	T6V2U			28,29,30,31.2			28,29,30,31.2		
D22S1045	T6V2U			14,16,17			14,16,17		
D2S1338	T6V2U			17,19			17,19		
D2S441	T6V2U			11,14			11,14		
D3S1358	T6V2U			14,15,17			14,15,17		
D5S818	T6V2U			11,12			11,12		
D7S820	T6V2U			8,9,12			8,9,12		
D8S1179	T6V2U			12,15			12,15		
DYF404S1	RKBRKX		14,15			15			15
DYS391	T6V2U			10			10		
DYS444	RKBRKX		12			12			12
DYS447	RKBRKX		24			26			26
DYS527	RKBRKX		21,23			20,21			20,21
DYS557	RKBRKX		15			16			16
DYS596	RKBRKX		16			15			15
F13A01	RKBRKX	5,7	3,2,5		5,7	7,7		5,7	7,7
F13B	RKBRKX	9,10	9,10		9,10	10,10		9,10	10,10

TABLE 3

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
FESFPS	RKBRKX	8,11	11,12		8,11	11,12		8,11	11,12
FGA	T6VV2U			20,22,25,26			20,22,25,26		
LPL	RKBRKX	10,11	10,12		10,11	10,12		10,11	10,12
PENTA C	RKBRKX	9,12	10,12		9,12	11,13		9,12	11,13
SE33	T6VV2U			14,16,23.2,24. 2			14,16,23.2,2 4.2		
TH01	T6VV2U			7,9,9.3			7,9,9.3		
TPOX	T6VV2U			10,11			10,11		
VWA	T6VV2U			15,16,17			15,16,17		
Y INDEL	T6VV2U			2			2		

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
24VJXZ	Yes	Yes	No	No	46F89Q	Yes	Yes	No	No
266NBN	Yes	Yes	No	No	4AATT9	Yes	Yes	No	No
274VF2	Yes	Yes	No	No	4GTWZB	Yes	Yes	No	No
27XJUQ	Yes	Yes	No	No	4H6BCG	Yes	Yes	No	No
27YEG4	Yes	Yes	No	No	4KWZ8V	Yes	Yes	No	No
27Z7DQ	Yes	Yes	No	No	4M4MCM	Yes	Yes	No	No
2D2NNV	Yes	Yes	No	No	4ZADEV	Yes	Yes	No	No
2HFX2Z	Yes	Yes	No	No	68WFNC	Yes	Yes	No	No
2KE46D	Yes	Yes	No	No	69TW29	Yes	Yes	No	No
2MTWGY	Yes	Yes	No	No	6D87ZN	Yes	Yes	No	No
2QH8VC	Yes	Yes	No	No	6DV4WX	Yes	Yes	No	No
2XU824	Yes	Yes	No	No	6WKQWR	Yes	Yes	No	No
33J44Y	Yes	Yes	No	No	6XF79P	Yes	Yes	No	No
33VXLK	Yes	Yes	No	No	6XG784	Yes	Yes	No	No
39GK4D	Yes	Yes	No	No	7R9YPZ	Yes	Yes	No	No
3CE47C	Yes	Yes	No	No	8AJEXK	Yes	Yes	No	No
3DHUVY	Yes	Yes	No	No	8AL2GJ	Yes	Yes	No	No
3EQ9UR	Yes	Yes	No	No	8NLKFW	Yes	Yes	No	No
3J7J8V	Yes	Yes	No	No	8NYWNA	Yes	Yes	No	No
3J7NKJ	Yes	Yes	No	No	8Q8KHX	Yes	Yes	No	No

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
8TBPY9	Yes	Yes	No	No	BKCW7B	Yes	Yes	No	No
8WA4JD	Yes	Yes	No	No	BKRBHQ	Yes	Yes	No	No
8X9WDU	Yes	Yes	No	No	BQA9U2	Yes	Yes	No	No
8ZE8LR	Yes	Yes	No	No	BR8WJH	Yes	Yes	No	No
999K7R	Yes	Yes	No	No	BYUPVG	Yes	Yes	No	No
9C7B4Q	Yes	Yes	No	No	C6TZE2	Yes	Yes	No	No
9ERUBF	Yes	Yes	No	No	CFUWMN	Yes	Yes	No	No
9FLKGU	Yes	Yes	No	No	CJRZ76	Yes	Yes	No	No
9KBPY7	Yes	Yes	No	No	CTXHPD	Yes	Yes	No	No
9NU2G9	Yes	Yes	No	No	CUCNBV	Yes	Yes	No	No
9T6UT8	Yes	Yes	No	No	CY2TT8	Yes	Yes	No	No
9TTLZQ	Yes	Yes	No	No	D28BDE	Yes	Yes	No	No
A23EKK	Yes	Yes	No	No	D2RP9J	Yes	Yes	No	No
A3W6QZ	Yes	Yes	No	No	D4YZ9T	Yes	Yes	No	No
A832AZ	Yes	Yes	No	No	D62RG3	Yes	Yes	No	No
A86QGH	Yes	Yes	No	No	D8DVNQ	Yes	Yes	No	No
AQ2W6C	Yes	Yes	No	No	DAVJU6	Yes	Yes	No	No
AUZBQF	Yes	Yes	No	No	DLF9YW	Yes	Yes	No	No
B4MQWV	Yes	Yes	No	No	DU8L2G	Yes	Yes	No	No
BCZKAD	Yes	Yes	No	No	DX76ZU	Yes	Yes	No	No
BH2EY9	Yes	Yes	No	No	DX8XWG	Yes	Yes	No	No

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
DZCMYP	Yes	Yes	No	No	HANB2D	Yes	Yes	No	No
ENE7MU	Yes	Yes	No	No	HB3T6J	No Interp	No Interp	No Interp	No Interp
EPAPNV	Yes	Yes	No	No	HPYWMP	Yes	Yes	No	No
EWRZZB	Yes	Yes	No	No	HUB3ZA	Yes	Yes	No	No
EZDVPN	Yes	Yes	No	No	HUFD2M	Yes	Yes	No	No
F2C6ZY	Yes	Yes	No	No	HY7VU6	Yes	Yes	No	No
F6ZCN3	Yes	Yes	No	No	HYNKHR	Yes	Yes	No	No
FB2NKY	Yes	Yes	No	No	J7MHRF	Yes	Yes	No	No
FNWCLJ	Yes	Yes	No	No	J8H2TG	Yes	Yes	No	No
FRG8MQ	Yes	Yes	No	No	J9T3EF	Yes	Yes	No	No
FVRHFK	Yes	Yes	No	No	JF29UZ	Yes	Yes	No	No
FWL6UA	Yes	Yes	No	No	JF8XAN	Yes	Yes	No	No
FWNTD9	Yes	Yes	No	No	JFANF8	Yes	Yes	No	No
G3RYN6	Yes	Yes	No	No	JG4ELL	Yes	Yes	No	No
G42NKW	Yes	Yes	No	No	JG67H9	Yes	Yes	No	No
G76LPX	Yes	Yes	No	No	JTXLPH	Yes	Yes	No	No
GMV24L	Yes	Yes	No	No	JXK3PV	Yes	Yes	No	No
GWZCNZ	Yes	Yes	No	No	K2L6XM	Yes	Yes	No	No
GZYMKZ	Yes	Yes	No	No	K3CWW	Yes	Yes	No	No
H2XLPJ	Yes	Yes	No	No	K4VTW2	Yes	Yes	No	No
H8FHZU	Yes	Yes	No	No	K4WNJD	Yes	Yes	No	No

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
KGXJFK	Yes	Yes	No	No	M9GMNJ	Yes	Yes	No	No
KHVRN4	Yes	Yes	No	No	MBHQF7	Yes	Yes	No	No
KKWX3A	Yes	Yes	No	No	MCE7R3	Yes	Yes	No	No
KNYR6L	Yes	Yes	No	No	MCGXJJ	Yes	Yes	No	No
KPB9FE	Yes	Yes	No	No	MD7LVT	Yes	Yes	No	No
KRTE8V	Yes	Yes	No	No	MEKNQX	Yes	Yes	No	No
KVC8HX	Yes	Yes	No	No	MMRQ3T	Yes	Yes	No	No
KX7BHP	Yes	Yes	No	No	MRRET7	Yes	Yes	No	No
L9H3J6	Yes	Yes	No	No	N42CBE	Yes	Yes	No	No
L9KP34	Yes	Yes	No	No	N4B7JU	Yes	Yes	No	No
LCWX2M	Yes	Yes	No	No	N6WYP4	Yes	Yes	No	No
LDRF23	Yes	Yes	No	No	N9W79G	Yes	Yes	No	No
LHHE7R	Yes	Yes	No	No	NA3N7C	Yes	Yes	No	No
LKE7R6	Yes	Yes	No	No	NALYUT	Yes	Yes	No	No
LL82A8	Yes	Yes	No	No	NK34LP	Yes	Yes	No	No
LRXAY8	Yes	Yes	No	No	NN2EGP	Yes	Yes	No	No
LT2UAU	Yes	Yes	No	No	NY2RXP	Yes	Yes	No	No
LTHZDQ	Yes	Yes	No	No	PEWZPE	Yes	Yes	No	No
LW3RNT	Yes	Yes	No	No	PKPZ4B	Yes	Yes	No	No
M8JCU2	Yes	Yes	No	No	PM7Y6R	Yes	Yes	No	No
M8NPKJ	Yes	Yes	No	No	Q7HHM8	Yes	Yes	No	No

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
Q8DYY4	Yes	Yes	No	No	T6YFPX	Yes	Yes	No	No
Q8WZQD	Yes	Yes	No	No	T6ZBCA	Yes	Yes	No	No
QC6BUZ	Yes	Yes	No	No	TARF6E	Yes	Yes	No	No
QFMLVB	Yes	Yes	No	No	TEYN2H	Yes	Yes	No	No
QTBRKY	Yes	Yes	No	No	TFRJJK	Yes	Yes	No	No
R3CFCW	Yes	Yes	No	No	TGTR2B	Yes	Yes	No	No
R48XEX	Yes	Yes	No	No	TH3WEY	Yes	Yes	No	No
R4AP7D	Yes	Yes	No	No	TJWMKE	Yes	Yes	No	No
R8CJAB	Yes	Yes	No	No	TJYEGZ	Yes	Yes	No	No
R8Q6JC	Yes	Yes	No	No	TMH8R4	Yes	Yes	No	No
R9GBWW	Yes	Yes	No	No	TNMWUC	Yes	Yes	No	No
RDVZW	Yes	Yes	No	No	TWKUFU	Yes	Yes	No	No
RKBRKX	Yes	Yes	No	No	TX8VBQ	Yes	Yes	No	No
RNN3LN	Yes	Yes	No	No	TXF4YB	Yes	Yes	No	No
RQWMKF	Yes	Yes	No	No	U3AJNB	Yes	No	No	No
RRR6LG	Yes	Yes	No	No	U4H4HL	Yes	Yes	No	No
RUHUXR	Yes	Yes	No	No	UFU7PV	Yes	Yes	No	No
RXHHM6	Yes	Yes	No	No	UGMWVA	Yes	Yes	No	No
T2FFB3	Yes	Yes	No	No	UK6JLH	Yes	Yes	No	No
T42ZHR	Yes	Yes	No	No	UQUET8	Yes	Yes	No	No
T6V2U	Yes	Yes	No	No	UV6RB7	Yes	Yes	No	No

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
UVND4W	Yes	Yes	No	No	XM4E43	Yes	Yes	No	No
V27Q9J	Yes	Yes	No	No	XP2K8G	Yes	Yes	No	No
V2RTC6	Yes	Yes	No	No	XVDZPB	Yes	Yes	No	No
V648PJ	Yes	Yes	No	No	Y2C8ZE	Yes	Yes	No	No
VC9LH7	Yes	Yes	No	No	YGBWXP	Yes	Yes	No	No
VMUQP7	Yes	Yes	No	No	YHKRQ9	Yes	Yes	No	No
VRKZY4	Yes	Yes	No	No	YZJUJ7	Yes	Yes	No	No
VW4E34	Yes	Yes	No	No	Z2C8LP	Yes	Yes	No	No
WPGG9	Yes	Yes	No	No	ZA76G6	Yes	Yes	No	No
WX3GT	Yes	Yes	No	No	ZC6BGD	Yes	Yes	No	No
VXUAB7	Yes	Yes	No	No	ZGKLUG	Yes	Yes	No	No
VYHPF9	Yes	Yes	No	No	ZQBJPL	Yes	Yes	No	No
VYKEMQ	Yes	Yes	No	No	ZRQ4EQ	Yes	Yes	No	No
WJ4483	Yes	Yes	No	No	ZVNFH3	Yes	Yes	No	No
WQPYBR	Yes	Yes	No	No	ZZFQAT	Yes	Yes	No	No
WTKCJJ	Yes	Yes	No	No					
WU3JFR	Yes	Yes	No	No					
WXHQBE	Yes	Yes	No	No					
XENTUY	Yes	Yes	No	No					
XHAD2N	Yes	Yes	No	No					
XHN4QX	Yes	Yes	No	No					

DNA Interpretation**Response Summary****Participants reporting DNA results: 244**

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	243	242	0	0
No	0	1	243	243
Inc	0	0	0	0
No Interpretation	1	1	1	1
No Response	0	0	0	0

Participants analyzing DNA for database purposes only: 0

Additional Comments

TABLE 5

WebCode	Additional Comments
27XJUQ	Extraction: Item 1 and Item 2 were extracted using chelex extraction method. Item 3 and Item 4 (differential extraction) were extracted using QIASymphony extraction method. Quantification: Item 1, Item 2, 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, Item 2, Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4 (GlobalFiler Kit). Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2, Item 3 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM:non-male profile.
27YEG4	ND=not detected.
2KE46D	Item 4 (non-sperm fraction): probabilistic genotyping was used to support inclusion/exclusion.
39GK4D	Probabilistic genotyping was used to support inclusion/exclusions.
3EQ9UR	Screening for the presence of male DNA using the Plexor HY Real-Time PCR System was performed on Item 3: Questioned blood and semen stain from victim's underwear (pink) and Item 4: Questioned blood and semen stain from victim's dress (yellow). Male DNA was detected on Item 3: Questioned blood and semen stain from victim's underwear (pink). Male DNA was detected on Item 4: Questioned blood and semen stain from victim's dress (yellow). Sperm cells were detected on slides prepared from Item 3(Sperm cell fraction), and item 4(Sperm cell fraction).
46F89Q	Spermatozoa were detected on the slides prepared from item 3 (sperm cell fraction) and item 4 (sperm cell fraction). Screening results: Screening test not performed on Item 1: Known blood from the female victim. Screening test not performed on Item 2: Known blood from the male suspect. Screening test for the presence of male DNA using the Plexor HY real time PCR system was performed on Item 3: Questioned blood and semen stain from victim's underwear (pink). Male DNA was detected on this item. Screening test for the presence of male DNA using the Plexor HY real time PCR system was performed on Item 4: Questioned blood and semen stain from victim's dress (yellow). Male DNA was detected on this item.
4ZADEV	Screening results: Screening test not performed on Item 1: Known blood from the female victim. Screening test not performed on Item 2: Known blood from the male suspect. Screening test for the presence of male DNA using the Plexor HY real time PCR system was performed on Item 3: Questioned blood and semen stain from victim's underwear (pink). Male DNA was detected on this item. Screening test for the presence of male DNA using the Plexor HY real time PCR system was performed on Item 4: Questioned blood and semen stain from victim's dress (yellow). Male DNA was detected on this item. Spermatozoa were observed by microscopic examination of the sperm cell fractions of items 3 and 4.
68WFNC	N/A = not applicable
6D87ZN	ND = not detected
8AJEXK	Extraction: Item 1 and Item 2 were extracted using chelex extraction method. Item 3 and Item 4 (differential extraction) were extracted using QIASymphony extraction method. Quantification: Item 1, Item 2, 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, Item 2, Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for item 1, Item 2, Item 3 and Item 4 (GlobalFiler kit). Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for item 2, item 3 and Item 4 (Y-Filer kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM : non-male profile.
8AL2GJ	NT=not tested. ND=not detected.

TABLE 5

WebCode	Additional Comments
8NLKFW	ND = Not Detected
8TBPY9	Probabilistic genotyping was used to support inclusions/exclusions.
8WA4JD	NR= no results
8X9WDU	Modified Rapid DNA Analysis was conducted on item 1 with RHID. Modified Rapid DNA Analysis was conducted on item 2 with ANDE, however the expert system result was "Low" and did not pass. Did not use for interpretation and will re-run ANDE next proficiency rotation. PowerPlex Y23 was run on item 3, item 4 and item 2 for sample processing only. NID = No Interpretable Data.
9C7B4Q	Analyst is not trained and qualified on differential extraction for samples containing semen. Therefore, items 3 and 4 were processed using a DNA-IQ non-differential extraction, which includes the DTT reagent.
9NU2G9	N/A = not applicable
A23EKK	Spermatozoa were observed in the sperm cell fractions of items 3 and 4. The DNA profile of an unknown male was observed in the sperm cell fractions of items 3 and 4. The unknown male was included as a possible contributor to the DNA mixtures obtained from the epithelial cell fractions of items 3 and 4.
A3W6QZ	NR = No results. Y-screen Results: Item 3 positive; Item 4 positive.
A832AZ	Item 3 and Item 4 were both Y-Screen positive.
BCZKAD	A likelihood ratio (LR) analysis was performed using the LRmix Studio software, using allele frequency data specific to [Population] from the STRider database. LR values for mixed DNA profiles were calculated with consideration both drop-in and drop-out phenomena. The analysis assumed a drop-in probability of 0.05 and applied a minimum allele frequency threshold of 0.001. A subpopulation correction factor of 0.01 was also incorporated into the calculations. The resulting LR values were interpreted in terms of their probative value. In both samples item3 and item4, a mixture of genetic profiles from at least two person, including at least one male, was obtained. The evaluated hypotheses included: Prosecution Hypothesis (Hp): The DNA mixture includes the genetic profiles of item1 and item2. Alternative Hypothesis (Hd): The DNA mixture includes the genetic profile of item2 and one unknown, untested, unrelated individual from the population. The comparison of these hypotheses was used to assess the strength of the genetic evidence in the context of the case. The results obtained for both samples indicated the same mixed DNA profile of two person. The obtained LR 9,5642x10-37 provides extremely strong support for the alternative hypothesis (Hd) that the DNA mixture originated from the victim and an unknown, unrelated individual from the population rather than from the victim and the suspect.
BKCW7B	NR=No Results. STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
BKR BHQ	ND: Not detected
C6TZE2	Probabilistic Genotyping was used to support inclusions/exclusions.
D28BDE	STRmix was used for applicable samples following the appropriate technical procedures.
D2RP9J	Screening for the presence of male DNA using the Plexor HY real time PCR system was performed on Item 3 and Item 4. Male DNA was detected on Item 3. Male DNA was detected on Item 4. Sperm cells were detected on slides prepared from items 4.3.1 sperm cell fraction and 4.4.1 sperm cell fraction.
D4YZ9T	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.
DLF9YW	NR=No results. YS results: Item 3 positive; Item 4 positive. Item 1 not analyzed for male DNA (Y-STR).

TABLE 5

WebCode	Additional Comments
ENE7MU	STRmix analysis was conducted on this test.
F2C6ZY	Y-filer of G_DYS458 has a rare allele and the system names it as OL.
FRG8MQ	NR = no results. YS results: CTS item numbers 3 and 4 both positive for YS.
FWNTD9	NR= No Results. STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
HANB2D	Screening for the presence of male DNA using Plexor HY real time PCR was performed on Item 3: Questioned blood and semen stain from victim's underwear (pink) and Item 4: Questioned blood and semen stain from victim's dress (yellow). Male DNA was detected on Item 3. Male DNA was detected on Item 4. Sperm cells were detected on microscope slides prepared from Item 3, sperm cell fraction and Item 4, sperm cell fraction.
HB3T6J	PowerPlex Fusion 6C sample processing was conducted on item 3 and item 4. Autosomal analysis and interpretation was not conducted. Modified Rapid DNA Analysis was conducted on item 1. No comparison was made.
HY7VU6	Extraction: Item 1, Item 2, Item 3 and Item 4 were extracted using the Chelex extraction method. Quantification: Item 1, Item 2, Item 3 and Item 4 were quantified using the Quantifiler Human DNA Quantification kit on the QuantStudio™ 5 Real-Time PCR System. Amplification: Item 1, Item 2, Item 3 and Item 4 were amplified using the Globalfiler PCR Amplification Kit on the GeneAmp 9700 PCR System. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 2, Item 3 and Item 4 using the AmpFISTR Y-filer PCR Amplification Kit on the GeneAmp 9700 PCR System. Electrophoresis: Electrophoresis was carried out on the Applied Biosystems 3500xl Genetic Analyzer with Genemapper ID-X Software for Item 1, Item 2, Item 3 and Item 4 (Globalfiler). Electrophoresis for Y-Filer was carried out on the Applied Biosystems 3500xl 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. NM = Non Male profile.
HYNKHR	STRmix analysis was conducted on this test.
J8H2TG	STRmix analysis was conducted on this test.
JF29UZ	[] - Lighter intensity allele, NR- No DNA result.
K3CVW	Probabilistic genotyping was used to support inclusions/exclusions.
K4VTW2	Item 3: log10(LR): item 1 + 1 unkn vs 2 unkn. CaseSolver = 2,2E+01. LRMixStudio (d.o. = 0.19) = 1,8E+01. LabRetriever (d.o. = 0.19) = 1,5E+01 (all pop). DNAView = 2,4E+01. EFM = 2,6E+01. log10(LR): Item 2 + 1 unkn vs 2 unkn. CaseSolver = -2,3E+01. Item 4: log10(LR): item 1 + 1 unkn vs 2 unkn. CaseSolver = 2,2E+01. LRMixStudio (d.o. = 0.19) = 1,8E+01. LabRetriever (d.o. = 0.19) = 1,5E+01 (all pop). DNAView = 2,3E+01. EFM = 2,8E+01. log10(LR): Item 2 + 1 unkn vs 2 unkn. CaseSolver = -2,3E+01.
KGXJFK	Y-Screening Results: Item 3 is Y-screen positive; Item 4 is Y-screen positive.
KHVRN4	NR = No results. STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GeneMapper ID-X.
KKWX3A	Screening for the presence of male DNA using the Plexor HY Real-Time PCR System was performed on item 3: questioned blood and semen stain from victim's underwear (pink) and item 4: questioned blood and semen stain from victim's dress (yellow). Male DNA was detected on items 3 and 4. Spermatozoa were detected on microscopic slides prepared from item 3 (sperm cell fraction) and item 4 (sperm cell fraction).

TABLE 5

WebCode	Additional Comments
L9H3J6	Extraction: Item 1, Item 2, Item 3 and Item 4 were extracted using the Chelex extraction method. Quantification: Item 1, Item 2, 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: Item 1, Item 2, Item 3 and Item 4 were amplified using the Applied Biosystems™ GlobalFiler™ PCR Amplification Kit on the Applied Biosystems™ GeneAmp™ PCR System 9700. The Item 2, Item 3 and Item 4 were also amplified using the Applied Biosystems™ AmpFLSTR™ Yfiler™ PCR Amplification Kit on the Applied Biosystems™ GeneAmp™ PCR System 9700. Electrophoresis: Electrophoresis was carried out on the Applied Biosystems™ 3500xL Genetic Analyzer and the data were analyzed with 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.
L9KP34	STRmix analysis was conducted on this test. The data reported out is from analysis using GeneMapper ID-X. NR=no results.
LCWX2M	STRmix analysis was conducted on this test.
LT2UAA	Probabilistic genotyping was used to support inclusion/exclusions.
M9GMNJ	NR = No results. YScreen Results: Item 3 Positive; Item 4: Positive.
MBHQF7	Allele tables uploaded.
MCE7R3	-"NR" is defined as "No Results". -The data reported out in this test is from analysis using GeneMapper ID-X. -STRmix analysis was conducted on this test.
MCGXJJ	Y-Screening Results: Item 3: Positive; Item 4: Positive. NR = No Results.
MEKNQX	STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GeneMapper ID-X. NR = no results.
N42CBE	ND = Not detected
N4B7JU	NA=Not Applicable
NALYUT	Probabilistic genotyping was used to support inclusions/exclusions.
PM7Y6R	NA = NOT APPLICABLE
Q8DYY4	ND=not detected
QC6BUZ	Extraction: Item 1 and Item 2 were extracted using chelex extraction method. Item 3 and Item 4 were extracted using QIASymphony DNA Investigator KIT via QIASymphony SP (differential extraction method). Quantification: Item 1, Item 2, 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, Item 2, Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. *NM represent non-male profile.
R48XEX	NR=No Results. STRmix analysis was conducted on Item 3e. Data for all reported items was generated using GeneMapper ID-X.
R4AP7D	Item 3 and Item 4: YS positive. NR = No Result.

TABLE 5

WebCode	Additional Comments
RDVWZW	Extraction: Item 1 and Item 2 were extracted using Automated ABI Prepfiler Express. Item 3 and Item 4 were extracted using Chelex Differential Extraction. Quantification: Item 3 and Item 4 were quantified using Quantifiler™ Trio DNA Quantification Kit on QuantStudio 5 Real-Time PCR. Amplification: Item 1, Item 2, Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on 9700 Gene Amp PCR system. Item 2, Item 3 and Item 4 were amplified using AMPFISTR Y Filer on 9700 GeneAmp PCR system. Quality control: Reagent blank, positive control, and negative control were carried out along with the analysis and all gave the intended results. NM: denotes non male profile.
RNN3LN	Probabilistic genotyping was used to support inclusions/exclusions.
RRR6LG	Y-screen Results: 3: Positive (Human male DNA was detected.); 4: Positive (Human male DNA was detected.). NR = No results.
RUHUXR	NA = Not applicable
RXHHM6	Male DNA was detected on Item 3 and Item 4 using the Plexor HY System. Spermatozoa were detected on slides prepared from Item 3 and Item 4.
T6VV2U	1) For Item 3 we performed differential extraction: -In sample Item3M (Item 3sp - sperm fraction) we obtained male DNA which doesn't derive from the Suspect (Item 2). -In sample Item3Z (Item 3e - epithelial fraction) we obtained DNA mixture derived from at least two people. In mixture we indicated DNA alleles compatible to DNA profile of the Victim (Item 1) and DNA alleles compatible with person which male profile DNA was obtained in sample Item3M. DNA doesn't derive from the the Suspect (Item 2). 2) For Item 4 we performed differential extraction: -In sample Item4M (Item 4sp - sperm fraction) we obtained male DNA which doesn't derive from the Suspect (Item 2). -In sample Item4Z (Item 4e - epithelial fraction) we obtained DNA mixture derived from at least two people. In mixture we indicated DNA alleles compatible to DNA profile of the Victim (Item 1) and DNA alleles compatible with person which male profile DNA were obtained in samples Item3M and Item 4M. DNA doesn't derive from the the Suspect (Item 2).
T6YFPX	Extraction: - Item 1 and Item 2 were extracted using chelex extraction method. - Item 3 and Item 4 were extracted using differential analysis using DNA Investigator kit via QIASymphony SP automation platform. Quantification: - Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Trio Quantification kit on QuantStudio 5 Real Time PCR System. Amplification: - Item 1, Item 2, Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification kit on GeneAmp PCR System 9700. - Item 2, Item 3 and Item 4 were further amplified using AmpFISTR YFiler PCR Amplification kit on GeneAmp PCR System 9700. Electrophoresis: - Item 1, Item 2, Item 3 and Item 4 were run on ABI 3500xL Genetic Analyzer for GlobalFiler. - Item 2, Item 3 and Item 4 were run on ABI 3500xL Genetic Analyzer for Y-STR. Quality Control: - Reagent Blank, Positive Control and Negative Control were incorporated throughout the analysis and gave satisfactory results. NM represent Non-male profile.
TJWMKE	Y-Screen Testing using Quantifiler Trio on item 3 and 4. Item 3 is positive for male DNA. Item 4 is positive for male DNA.
TMH8R4	Screening for the presence of male DNA using Plexor HY Real-Time PCR System was performed on Item 3 (Questioned blood and semen stain from victim's underwear (pink)) and Item 4 (Questioned blood and semen stain from victim's dress (yellow)). Male DNA was detected on Item 3 and Item 4. Screening for the presence of male DNA using Plexor HY Real-Time PCR System was not performed on Item 1 (Known blood from the female victim) and Item 2 (Known blood from the male suspect). Sperm cells were detected on a slide prepared from item 3 (sperm cell fraction) and a slide prepared from item 4 (sperm cell fraction).
TNMWUC	Y-Screen Performed on Items 1C (CTS Item# 3) and 1D (CTS Item# 4): Y-Screen Positive results for both 1C and 1D. NR = No Results.
TX8VBQ	NR = No DNA result
TXF4YB	* = minor alleles dropping out at this locus.

TABLE 5

WebCode	Additional Comments
UGMWVA	Item 3 e: bridge pull up and elevated stutter observed. Item 3 sp: pull up, bridge pull up, n-2 bp artifacts, and elevated stutter observed. Item 4 e: elevated stutter and combined stutter observed. Item 4 sp: n-2 bp artifact observed.
UVND4W	Extraction: - Item 1 and Item 2 were extracted using chelex extraction method. Item 3 and Item 4 (differential extraction) were extracted using QIAAsymphony DNA Investigator Kit via QIAAsymphony SP. Quantification: - Item 1, Item 2, Item 3 and Item 4 were quantified using Applied Biosystem Quantifiler Trio DNA Quantification kit on QuantStudio 5 Real-Time PCR System. Amplification: - Item 1, Item 2, Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification kit on ABI GeneAmp PCR system 9700. Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification kit on ABI GeneAmp PCR system 9700. Electrophoresis: - Electrophoresis were carried out on ABI Genetic Analyzer 3500XL for Item 1, Item 2, Item 3 and Item 4 (Globalfiler kit). Electrophoresis were carried out on ABI Genetic Analyzer 3500XL for Item 2, Item 3 and Item 4 (Yfiler kit). Quality Control: - All reagent blank, positive control and negative control, were carried out throughout the analysis and all gave intended results. Remarks: - NM : Non-male profile.
V2RTC6	STRmix analysis was conducted on this test.
W4E34	3A sp fraction- observed n-2bp artifact @ D1S1656, elevated N+1 stutter @D13 in the 13 bin, and bridge pullup in the D2S1338 range. 4A e fraction- observed combo stutter @ D22S1045 in 15 bin (left in STRmix import file for expected stutter contribution). Binary interpretation of 1A, 2A, 3Asp fraction, and 4Asp fraction. STRmix on 3Ae and 4Ae fractions.
VYKEMQ	- "NR" is defined as "No Results". - The data reported out in this test is from analysis using GeneMapper ID-X. - STRmix analysis was conducted on this test.
WU3JFR	Extraction: - Item 1, Item 2, Item 3(bs) and Item 4(bs) were extracted using the Automate Express by Prepfilier Express Kit. -Item 3 (semen stain) and Item 4(semen stain) were extracted using Chelex differential extraction method. Quantification: -Item 1, Item2, Item 3(bs), Item 4(bs), Item 3 (semen stain) and Item 4(semen stain) were quantified using Quantifiler Trio DNA Quantification Kit on QuanStudio 5 Real-Time PCR System. Amplification: -Item 1, Item 2, Item 3(bs), Item 4(bs), Item 3(semen stain) and Item 4(semen stain) were amplified using the GlobalFiler Amplification kit. -Item 2, Item 3(bs), Item 4(bs), Item 3(semen stain) and Item 4(semen stain) were amplified using Y-Filer Kit. -All amplification performed on Proflex PCR system. Electrophoresis: -All amplified product were run on Genetic Analyzer 3500. Quality Control: -All reagent blank, positive control and negative control were carried out throughout the analysis and gave intended results. Remarks: -NM: Non-male profile.
XVDZPB	NR= No Results. Y-Screen Assay Results: Item 3: Positive; Item 4: Positive.
YGBWXP	Extraction: - Item 1 and Item 2 were extracted using Automate Express Forensic DNA Extraction System with Prepfilier Express Kit method. - Item 3 and Item 4 were extracted using the differential extraction method. Quantification: Item 1, Item 2, Item 3 and Item 4 were quantified using the Quantifiler Trio DNA Quantification kit on the Applied Biosystem QuantStudio 5 Real-Time PCR System. Amplification: Item 1, Item 2, 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, Item 3 and Item 4 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, Item 2, 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.
YHKRQ9	The victim profile was used to condition in the epithelial fractions of both Item 3 and Item 4.
YZJUJ7	Items 3 and 4 tested positive with the Y-Screen Assay (male DNA was detected). NR = No Result(s).
Z2C8LP	NR= no results. STRmix analysis was conducted on this test. Data reported analyzed using GeneMapper ID-X.

TABLE 5

WebCode	Additional Comments
ZVNFH3	Yscreen was performed for items 1A and 1B (items 3 and 4). Item 3 was positive for male DNA. Item 4 was positive for male DNA.

-End of Report-
(Appendix may follow)

Test No. 26-5801: DNA-Mixture

DATA MUST BE SUBMITTED BY **March 09, 2026, 11:59 p.m. EDT** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: Q7ZKDF

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 she was attacked in her apartment by her neighbor. The victim stated he punched her several times then forced her to have vaginal sex. The suspect was identified by the victim and apprehended at his residence. Police are submitting to your laboratory a stain from the underwear (Item 3) and a stain from the dress (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) indicated the presence of blood and semen, and Item 4 (victim's dress) indicated the presence of blood and semen. Also collected were known blood samples from the female victim (Item 1) and the male suspect (Item 2).

Items Submitted (Sample Pack S1):

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 (pink)

Item 4: Questioned blood and semen stain from victim's dress (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 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)?

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

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

Part 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)