



DNA-Mixture Test No. 25-5806

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 258 participants and are compiled into the following tables:

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

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

Manufacturer's Information

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

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

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

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

Item	Known/ Questioned	Substrate	Body Fluid	Volume (Mixture Ratio)	Sex	Donor Information
1	Known	FTA™ Micro Card	Blood	75 µL	Female	Victim
2	Known	FTA™ Micro Card	Blood	75 µL	Male	Suspect
3	Questioned	Pink Fabric	Blood/Blood	50 µL (1:1)	Female/Male	Victim/Suspect
4	Questioned	Yellow Fabric	Blood/Semen	50 µL (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	11,16	22,25	11,14	15,16	11,12	*
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24	12,14	11,11	21,30.2	6,7	11,11
	18,18	NM	NM	NM	NM	
2	14,17.3	20,20	10,10	15,17	11,12	*
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	10,11	14,15	29.2,35	6,7	8,11
	16,17	9	23	20	2	
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	*
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,1	27,28,30	15,16	X,Y	10,12
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7	8,11
	16,17,18	9	23	20	2	
4-Blood	11,16	22,25	11,14	15,16	11,12	*
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24	12,14	11,11	21,30.2	6,7	11,11
	18,18	NM	NM	NM	NM	
4-Semen	11,16	23,25	11,14	15,16	11,11	*
	11,12	8,13	12,15	18,21	8,11	11,13
	10,12	14,17.2	30,30	11,17	X,Y	12,12
	19,22	12,13	5,7	24.2,28.2	6,9	8,8
	18,18	10	19	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									
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>									
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
2	36,36	13	14,14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
	41	12	11	23	20	19	21	12	12
3	36,36	13	14,14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
	41	12	11	23	20	19	21	12	12
4-Semen	37,38	14	13,14	12	30	22	10	11	13
	16	10	12	19	27	14	15	10	24
	40	11	11	19	17	19	21	12	11

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. Item 3 was created using blood from the same female donor used in Item 1 and blood from the same male donor used in Item 2. Item 4 was created using blood from the female donor used in Item 1 and semen from a male donor whose known standard was not provided. Refer to the Manufacturer's Information for preparation details.

Data were returned by 258 participants.

DNA Analysis

For STR results, all participants reported consistent results, with the exception of nine participants, which reported an inconsistent result for one questioned item. A majority of inconsistent results were noted for Item 4, including both the unseparated and separated fractions (Item 4, Item 4-Blood, and Item 4-Sperm), in which seven participants reported an inconsistent result.

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

DNA Interpretations

Of the 258 participants that returned DNA results, 232 reported DNA interpretations for both questioned stains. Fourteen participants stated the samples were analyzed for database purposes only and twelve participants selected the "No Interpretation" option for each conclusion.

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

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

2ARHMP	GlobalFiler™ (STRmix)					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
2LLWRT	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
2MQQ3H	PowerPlex® Fusion 5C					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24	12,14	11,11		6,7	11,11
	18,18					
2WLM9U	GlobalFiler™ (STRmix)					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
2YLTPK	PowerPlex® Fusion 5C					
1	11,16	22,25	11,14	15,16	11,12	-
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24	12,14	11	-	6,7	11
	18	-	-	-	-	
3A287R	GlobalFiler™ (STRMIX)					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					

TABLE 1

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

Item 1 - STR Results

3NHZUY	NGM SElect					
1	11,16	22,25	11,14	15,16		
		11,13	14,15	18,18		9,13
	14,16	14.2,16	28,30	15,16	X,X	
	24,24			21,30.2	6,7	
	18,18					
3UUVRG	Investigator® 24plex					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24			21,30.2	6,7	11,11
	18,18	NA				
44A8JK	GlobalFiler™ (TrueAllele)					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
46QFD7	GlobalFiler™ Direct					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
4AJFUM	PowerPlex® Fusion 5C					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24	12,14	11		6,7	11
	18	NR				
4BV6YK	GlobalFiler™ (TrueAllele VUler Release 2022b)					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24,24			21,30.2	6,7	11,11
	18,18					
4C7UHW	PowerPlex® Fusion 5C					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24	12,14	11		6,7	11
	18	NA				

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

4PT7NE	Investigator® 24plex					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24			21,30.2	6,7	11,11
	18,18	NA				
4Y3NAJ	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	N/A
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24	N/A	N/A	21,30.2	6,7	11,11
	18,18	N/A	N/A	N/A	N/A	
4ZCLVN	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
4ZRWDT	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
64AJJL	GlobalFiler™ (STRmix)					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
68Q2MN	PowerPlex® Fusion 6C					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24	12,14	11,11	21,30.2	6,7	11,11
	18,18	NR	NR	NR		
6DVMT7	GlobalFiler™ Direct					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					

TABLE 1

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

Item 1 - STR Results

6JYL4V	GlobalFiler™					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				11
6JYT3G	Investigator® 24plex QS					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18,18	8,12
		14,16	14.2,16	28,30	15,16	XX
		24,24	N/A	N/A	21,30.2	6,7
		18,18	N/A	N/A	N/A	11,11
6MGWVF	PowerPlex® 5C					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18,18	8,12
		14,16	14.2,16	28,30	15,16	XX
		24,24	12,14	11,11	N/A	6,7
		18,18	ND	N/A	N/A	11,11
6MYXZV	GlobalFiler™					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				11
6QPUVG	PowerPlex® ESI 17 Fast, GlobalFiler™					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				11
6RJMNE	GlobalFiler™					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				11
6YFHJR	GlobalFiler™					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				11

TABLE 1

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

Item 1 - STR Results

6ZCZLT	GlobalFiler™					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				11
76JVWG	GlobalFiler™					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18,18	8,12
		14,16	14.2,16	28,30	15,16	XX
		24,24			21,30.2	6,7
		18,18				11,11
778HBP	GlobalFiler™ (STRmix)					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				11
7DU69F	PowerPlex® Fusion					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24	12,14	11		6,7
		18				11
7E3CJV	GlobalFiler™					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18,18	8,12
		14,16	14.2,16	28,30	15,16	XX
		24,24			21,30.2	6,7
		18,18				11,11
7GUG4F	PowerPlex® Fusion					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24	12,14	11		6,7
		18	-			11
7KUPBC	GlobalFiler™					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	XX
		24			21,30.2	6,7
		18				11

TABLE 1

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

Item 1 - STR Results

7MG4YL	GlobalFiler™ Direct				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				11
7MY6XG	Investigator® 24plex QS/GO!				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18,18	8,12
	14,16	14.2,16	28,30	15,16	X
	24,24			21,30.2	6,7
	18,18				11,11
7UGTCJ	GlobalFiler™				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				11
7YAP6G	PowerPlex® Fusion 6C				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18,18	8,12
	14,16	14.2,16	28,30	15,16	XX
	24,24	12,14	11,11	21,30.2	6,7
	18,18				11,11
7Z698H	GlobalFiler™ Express				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				11
7ZLCVH	PowerPlex® ESI17 fast				
1	11,16	22,25	11,14	15,16	
		11,13	14,15	18	9,13
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				
82XJHB	GlobalFiler™ (STRmix)				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				11

TABLE 1

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

Item 1 - STR Results

83VRRF	GlobalFiler™					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18,18	8,12
		14,16	14.2,16	28,30	15,16	X,X
		24,24	N/A	N/A	21,30.2	6,7
		18,18	N/A	N/A	N/A	N/A
84ZGQJ	PowerPlex® Fusion					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24	12,14	11		6,7
		18	NR			11
86XPZN	PowerPlex® Fusion 6C					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18,18	8,12
		14,16	14.2,16	28,30	15,16	X,X
		24,24	12,14	11,11	21,30.2	6,7
		18,18	NR	NR	NR	11,11
8FDNHC	PowerPlex® 5C					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18,18	8,12
		14,16	14.2,16	28,30	15,16	X,X
		24,24	12,14	11,11		6,7
		18,18				11,11
8GVEGA	GlobalFiler™					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18,18	8,12
		14,16	14.2,16	28,30	15,16	X,X
		24,24			21,30.2	6,7
		18,18				11,11
8KMWUF	PowerPlex® Fusion 6C					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18,18	8,12
		14,16	14.2,16	28,30	15,16	X,X
		24,24	12,14	11,11	21,30.2	6,7
		18,18				11,11
8L6LKM	PowerPlex® Fusion 6C					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18,18	8,12
		14,16	14.2,16	28,30	15,16	X,X
		24,24	12,14	11,11	21,30.2	6,7
		18,18	NR	NR	NR	11,11

TABLE 1

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

Item 1 - STR Results

8PF2MJ	GlobalFiler™				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				11
8QRKMF	GlobalFiler™ (Genemapper ID-x)				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	XX
	24			21,30.2	6,7
	18				11
8R3MAE	GlobalFiler™ (Genemapper ID-x)				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	XX
	24			21,30.2	6,7
	18				11
8XWFPN	GlobalFiler™ (STRmix)				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				11
972U3A	GlobalFiler™ Express				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	XX
	24			21,30.2	6,7
	18	NM			NM
9998PH	GlobalFiler™				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				11
9PG34B	Investigator® 24plex				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18,18	8,12
	14,16	14.2,16	28,30	15,16	XX
	24,24			21,30.2	6,7
	18,18	N/A			11,11

TABLE 1

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

Item 1 - STR Results

9TYD2F	GlobalFiler™ Express					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
9VHHPC	ESI-17Fast					
1	11,16	22,25	11,14	15,16		
		11,13	14,15	18,18		9,13
	14,16	14.2,16	28,30	15,16	X,X	
	24,24			21,30.2	6,7	
	18,18					
9ZHJV2	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18	No Result			No Result	
A8WRVG	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
AJ334P	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	--
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24	--	--	21,30.2	6,7	11,11
	18,18	--	--	--	--	
AJNBFE	GlobalFiler™ Express					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
AV444N	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					

TABLE 1

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

Item 1 - STR Results

AXMFNC	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24			21,30.2	6,7	11
	18,18					
AYF9GA	GlobalFiler™ (STRmix)					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24			21,30.2	6,7	11,11
	18,18					
B3XVPM	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
B94LUE	PowerPlex® Fusion 5C					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24	12,14	11		6,7	11
	18	NR				
BF34BC	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	N/A
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24	N/A	N/A	21,30.2	6,7	11,11
	18,18	N/A	N/A	N/A	N/A	
BGENFE	PowerPlex® Fusion					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24	12,14	11		6,7	11
	18	NR				
BJ2A2B	PowerPlex® 21					
1	11,16	22,25		15,16	11,12	13,16
	8,11	11,13		18	8,12	9,13
	14,16	14.2,16	28,30		X	10,12
	24	12,14	11		6,7	11
	18					

TABLE 1

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

Item 1 - STR Results

BJKBTJ	GlobalFiler™ (STRmix)					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
18						
BKALJC	PowerPlex® Fusion 6C (STRmix 2.9)					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24	12,14	11	21,30.2	6,7	11
18						
BNE6QK	GlobalFiler™ (STRmix)					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
18						
C2HN8C	GlobalFiler™					
	11,16	22,25	11,14	15,16	11,12	NA
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24	NA	NA	21,30.2	6,7	11,11
18,18						
CE7VZ8	GlobalFiler™					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24			21,30.2	6,7	11,11
18,18						
CJ3F7C	GlobalFiler™					
	11,16	22,25	11,14	15,16	11,12	NA
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24	NA	NA	21,30.2	6,7	11,11
18,18						
CXJFWB	PowerPlex® Fusion 6C, GlobalFiler™					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24			21,30.2	6,7	11,11
18,18						
		Not Detected		Not Detected		

TABLE 1

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

Item 1 - STR Results

CZPXV7	GlobalFiler™				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18	---			---
D4L7E7	GlobalFiler™				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				
D8GUVB	GlobalFiler™ Direct				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				
DA72FB	GlobalFiler™				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				
DCAYMW	GlobalFiler™ Direct				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				
DEXFW6	GlobalFiler™ Express				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	XX
	24			21,30.2	6,7
	18	NM			NM
DLYML7	GlobalFiler™				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18,18	8,12
	14,16	14.2,16	28,30	15,16	XX
	24,24			21,30.2	6,7
	18,18				11,11

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

DPLZPH	PowerPlex® Fusion 6C					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24	12,14	11,11	21,30.2	6,7	11,11
	18,18	NR	NR	NR		
DTJN2H	GlobalFiler™ (STRmix)					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
E2AQJK	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24			21,30.2	6,7	11,11
	18,18	--			--	
E6UF84	GlobalFiler™ (STRmix)					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
EBYEF9	PowerPlex® Fusion 6C					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24	12,14	11,11	21,30.2	6,7	11,11
	18,18					
ECUWHA	GlobalFiler™ Express					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
EG43AA	GlobalFiler™ (DNAXs, ver. 2.8.11)					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24			21,30.2	6,7	11,11
	18,18					

TABLE 1

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

Item 1 - STR Results

EJPZJL	PowerPlex® Fusion 5C					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24	12,14	11		6,7	11
EMAP86	GlobalFiler™					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
EN4FCX	GlobalFiler™ Direct (STRmix)					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
ENMFWF	Investigator® 24plex GO! (STRmix)					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
EPDRM9	GlobalFiler™ Express					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24			21,30.2	6,7	11,11
EWXHHF	Investigator® 24plex QS (STRmix)					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
FCPZL6	GlobalFiler™ Express					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11

TABLE 1

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

Item 1 - STR Results

FHUNF6	ESI 17 FAST					
	11,16	22,25	11,14	15,16		
	1	11,13	14,15	18,18		9,13
	14,16	14.2,16	28,30	15,16	X,X	
	24,24			21,30.2	6,7	
18,18						
FKHAUE	GlobalFiler™ (STRmix)					
	11,16	22,25	11,14	15,16	11,12	
	1	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
18						
FP9LPB	GlobalFiler™					
	11,16	22,25	11,14	15,16	11,12	
	1	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
18						
FQQE6M	GlobalFiler™					
	11,16	22,25	11,14	15,16	11,12	
	1	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
18						
FU69M6	GlobalFiler™ Express					
	11,16	22,25	11,14	15,16	11,12	
	1	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
18						
FWE4J6	GlobalFiler™					
	11,16	22,25	11,14	15,16	11,12	
	1	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
18						
FYLCUB	PowerPlex® Fusion					
	11,16	22,25	11,14	15,16	11,12	
	1	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X	10,12
	24	12,14	11		6,7	11
18						
N/R						

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

FZAXG7	GlobalFiler™ Express					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24			21,30.2	6,7	11
	18	NM			NM	
FZDEE6	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24			21,30.2	6,7	11,11
	18,18					
G48V64	ESI-17FAST					
1	11,16	22,25	11,14	15,16		
		11,13	14,15	18,18		9,13
	14,16	14.2,16	28,30	15,16	X,X	
	24,24			21,30.2	6,7	
	18,18					
G4QU79	PowerPlex® Fusion					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24	12,14	11		6,7	11
	18	NR				
G86GV7	PowerPlex® Fusion 5C					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24	12,14	11		6,7	11
	18					
GAECL6	PowerPlex® Fusion 6C, GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24			21,30.2	6,7	11,11
	18,18	Not Detected			Not Detected	
GF324U	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					

TABLE 1

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

Item 1 - STR Results

GGXK7V	GlobalFiler™ Direct (STRmix)				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				11
GHPE87	PowerPlex® Fusion 6C, GlobalFiler™				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18,18	8,12
	14,16	14.2,16	28,30	15,16	XX
	24,24			21,30.2	6,7
	18,18	Not Detected			Not Detected
GL7489	GlobalFiler™ Express				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18	NR			NR
GM4CGD	PowerPlex® Fusion 6C				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18,18	8,12
	14,16	14.2,16	28,30	15,16	XX
	24,24	12,14	11,11	21,30.2	6,7
	18,18	NR	NR	NR	
GRWDG8	GlobalFiler™ Express				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				11
H6XAEY	Investigator® 24plex				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18,18	8,12
	14,16	14.2,16	28,30	15,16	XX
	24,24			21,30.2	6,7
	18,18				11,11
H8MHKU	GlobalFiler™ Direct				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				11

TABLE 1

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

Item 1 - STR Results

HBNLCG	GlobalFiler™					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				11
HFMVP4	GlobalFiler™					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18,18	8,12
		14,16	14.2,16	28,30	15,16	XX
		24,24			21,30.2	6,7
		18,18				11,11
HHJNC8	PowerPlex® 5C					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24	12,14	11		6,7
		18				11
HJF8D9	GlobalFiler™					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				11
J4J6G2	GlobalFiler™ Express					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				11
JHJ43D	GlobalFiler™ (STRmix)					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				11
JLHM2Q	GlobalFiler™					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				11

TABLE 1

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

Item 1 - STR Results

JMFMA3	GlobalFiler™					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18,18	8,12
		14,16	14.2,16	28,30	15,16	X,X
		24,24	N/A	N/A	21,30.2	6,7
		18,18	N/A	N/A	N/A	N/A
K97JA2	GlobalFiler™ Express					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X,X
		24			21,30.2	6,7
		18	NM			NM
KA7CCF	GlobalFiler™					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18,18	8,12
		14,16	14.2,16	28,30	15,16	X,X
		24,24			21,30.2	6,7
		18,18				11,11
KBGCE2	PowerPlex® Fusion					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24	12,14	11		6,7
		18	NR			11
KCA69Y	GlobalFiler™					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X,X
		24			21,30.2	6,7
		18				11
KD7MAZ	GlobalFiler™					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18,18	8,12
		14,16	14.2,16	28,30	15,16	X,X
		24,24			21,30.2	6,7
		18,18	NR			11,11
KEFRL4	GlobalFiler™ Express					
1		11,16	22,25	11,14	15,16	11,12
		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				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

KK68AB	GlobalFiler™ (STRmix)					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
KN87PA	PowerPlex® Fusion 6C					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24	12,14	11,11	21,30.2	6,7	11,11
	18,18	NR	NR	NR		
KTU386	GlobalFiler™					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24			21,30.2	6,7	11,11
	18,18	NR			NR	
KUCRT7	GlobalFiler™ (STRmix)					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
KWH8BA	PowerPlex® Fusion 6C					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24	12,14	11,11	21,30.2	6,7	11,11
	18,18	NR	NR	NR		
KZUF89	GlobalFiler™					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
L2KXNZ	PowerPlex® Fusion 6C, GlobalFiler™					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24			21,30.2	6,7	11,11
	18,18	Not Detected			Not Detected	

TABLE 1

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

Item 1 - STR Results

L32UGZ	GlobalFiler™					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				11
LD3KVF	GlobalFiler™					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				11
LFPYJP	GlobalFiler™ Direct					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				11
LKJZL4	GlobalFiler™					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18,18	8,12
		14,16	14.2,16	28,30	15,16	XX
		24,24			21,30.2	6,7
		18,18	NR			NR
LTBEMP	GlobalFiler™ Direct					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				11
LVYVWX	GlobalFiler™ Express					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	XX
		24			21,30.2	6,7
		18	NM			NM
LWAPJP	GlobalFiler™ Direct (STRmix)					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				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

M62KXY	PowerPlex® Fusion 6C, GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24			21,30.2	6,7	11,11
	18,18	Not detected			Not detected	
MBP64Z	PowerPlex® Fusion 5C					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24	12,14	11		6,7	11
	18	-				
MT87X3	PowerPlex® Fusion					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24	12,14	11		6,7	11
	18	NR				
MT949X	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24			21,30.2	6,7	11,11
	18,18	NR			NR	
MTNHG8	PowerPlex® Fusion 6C					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24	12,14	11,11	21,30.2	6,7	11,11
	18,18	NR	NR	NR		
N2WGL3	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
NBK87A	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					

TABLE 1

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

Item 1 - STR Results

NBZGXW	PowerPlex® Fusion 6C					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24	12,14	11,11	21,30.2	6,7	11,11
	18,18					
NDC7K8	GlobalFiler™ (STRmix)					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
NEKJ2A	GlobalFiler™ (STRmix 2.7)					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
NEPVP7	PowerPlex® Fusion 6C					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24	12,14	11,11	21,30.2	6,7	11,11
	18,18	NR	NR	NR		
NKUGVN	GlobalFiler™ Direct					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
NRRBMU	GlobalFiler™ Express					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24			21,30.2	6,7	11
	18	NM			NM	
NTJCQW	GlobalFiler™ Express					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24			21,30.2	6,7	11
	18	NM			NM	

TABLE 1

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

Item 1 - STR Results

NTQA73	GlobalFiler™ Express				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18	NR			NR
NUEVTX	Investigator® 24plex QS, Flex Plex				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18,18	8,12
	14,16	14.2,16	28,30	15,16	XX
	24,24	n/a	11,11	21,30.2	6,7
	18,18	n/a	n/a	n/a	n/a
NW66Q7	PowerPlex® Fusion 6C				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18,18	8,12
	14,16	14.2,16	28,30	15,16	XX
	24,24	12,14	11,11	21,30.2	6,7
	18,18	NR	NR	NR	
NW6A29	GlobalFiler™				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				
P9XTGY	GlobalFiler™ Express				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				
PCW4DY	GlobalFiler™ Express				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				
PK6X68	GlobalFiler™ (STRmix)				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				

TABLE 1

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

Item 1 - STR Results

PPK9KV	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
Q3ULRU	PowerPlex® ESI17 FAST, Fusion					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24	12,14	11	21,30.2	6,7	11
	18					
Q9R2Z3	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
QHEYR9	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24			21,30.2	6,7	11,11
	18,18					
QTDUMH	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18	No results			No results	
QY43AX	GlobalFiler™ Express					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
R4TWQV	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	N/A
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24	N/A	N/A	21,30.2	6,7	11,11
	18,18	N/A	N/A	N/A	N/A	

TABLE 1

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

Item 1 - STR Results

R9B494	GlobalFiler™					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				11
RDZNAX	Identifiler®		22,25		15,16	11,12
1		8,11	11,13			8,12
		14,16	14.2,16	28,30		X,X
		24,24				6,7
		18,18				11,11
REAQVW	GlobalFiler™					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18,18	8,12
		14,16	14.2,16	28,30	15,16	X,X
		24,24			21,30.2	6,7
		18,18				11,11
RF79XX	GlobalFiler™					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18,18	8,12
		14,16	14.2,16	28,30	15,16	X,X
		24,24			21,30.2	6,7
		18,18				11,11
RFNCA6	GlobalFiler™					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18	8,12
		14,16	14.2,16	28,30	15,16	X
		24			21,30.2	6,7
		18				11
RJ6LEW	GlobalFiler™ IQC					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18,18	8,12
		14,16	14.2,16	28,30	15,16	X,X
		24,24			21,30.2	6,7
		18,18				11,11
RN4RH3	PowerPlex® Fusion 6C					
		11,16	22,25	11,14	15,16	11,12
1		8,11	11,13	14,15	18,18	8,12
		14,16	14.2,16	28,30	15,16	X,X
		24,24	12,14	11,11	21,30.2	6,7
		18,18	NR	NR	NR	11,11

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

RNYEV7	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
RQ8RC8	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24			21,30.2	6,7	11,11
	18,18	--			--	
RRFNZW	PowerPlex® Fusion 6C					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24	12,14	11	21,30.2	6,7	11
	18					
RVMZ3R	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
RX7BE3	GlobalFiler™ (STRmix)					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
T3FRNR	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24			21,30.2	6,7	11,11
	18,18	NR			NR	
TDY47V	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	N/A
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24	N/A	N/A	21,30.2	6,7	11,11
	18,18	NSD	N/A	N/A	NSD	

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

TJ3AGR	PowerPlex® Fusion 6C, GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24			21,30.2	6,7	11,11
	18,18	Not detected			Not detected	
TMJCNX	GlobalFiler™ Express					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18	NR			NR	
TP8XBT	GlobalFiler™ Express					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24			21,30.2	6,7	11
	18	NM			NM	
TTQ3PH	GlobalFiler™ Direct					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
ULLGHZ	PowerPlex® Fusion 6C					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24	12,14	11,11	21,30.2	6,7	11,11
	18,18	NR	NR	NR		
UPKXQN	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
UQENVG	GlobalFiler™ Direct					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					

TABLE 1

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

Item 1 - STR Results

UT9CFX	GlobalFiler™ Direct				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				11
UXZQVR	Investigator® 24plex QS				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18,18	8,12
	14,16	14.2,16	28,30	15,16	XX
	24,24	N/A	N/A	21,30.2	6,7
	18,18	N/A	N/A	N/A	N/A
V8GP7U	PowerPlex® Fusion 6C (GENEMAPPER ID-X V1.5)				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18,18	8,12
	14,16	14.2,16	28,30	15,16	XX
	24,24	12,14	11,11	21,30.2	6,7
	18,18				11,11
VBKH2E	GlobalFiler™				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18	No Results			No Results
VK6WYP	PowerPlex® 6C (BP Sentry)				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18,18	8,12
	14,16	14.2,16	28,30	15,16	XX
	24,24	12,14	11,11	21,30.2	6,7
	18,18				11,11
VTZR3E	GlobalFiler™				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				11
VUBWF3	GlobalFiler™				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				11

TABLE 1

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

Item 1 - STR Results

VUYTBR	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	N/A
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24	N/A	N/A	21,30.2	6,7	11,11
	18,18	N/A	N/A	N/A	N/A	
VYQ67N	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X,X	10,12
	24,24			21,30.2	6,7	11,11
	18,18					
W773A2	GlobalFiler™ (STRmix)					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
WVQ8P	GlobalFiler™ Express					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
WKPPJY	GlobalFiler™ (STRMIX)					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
WN6FKN	GlobalFiler™ Express					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
WUA4EN	PowerPlex® ESI-17 Fast					
1	11,16	22,25	11,14	15,16		
		11,13	14,15	18,18		9,13
	14,16	14.2,16	28,30	15,16	X,X	
	24,24			21,30.2	6,7	
	18,18					

TABLE 1

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

Item 1 - STR Results

WVJ76U	GlobalFiler™					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
X4B7VR	GlobalFiler™ Express					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24			21,30.2	6,7	11,11
X9PGD2	GlobalFiler™					
	11,16	22,25	11,14	15,16	11,12	--
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24	--	--	21,30.2	6,7	11,11
XAFX9V	PowerPlex® Fusion 6C					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24	12,14	11,11	21,30.2	6,7	11,11
XDM366	GlobalFiler™ (STRmix)					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
XFAWMQ	PowerPlex® 6C					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24	12,14	11	21,30.2	6,7	11
XNKY9R	PowerPlex® Fusion 6C					
	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24	12,14	11	21,30.2	6,7	11

TABLE 1

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

Item 1 - STR Results

XPRF2V	Investigator® 24plex GO! (STRmix)				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18				11
XWCLPP	GlobalFiler™ Express				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18,18	8,12
	14,16	14.2,16	28,30	15,16	XX
	24,24			21,30.2	6,7
	18,18	F,F			F,F
YECNDL	GlobalFiler™				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18,18	8,12
	14,16	14.2,16	28,30	15,16	XX
	24,24			21,30.2	6,7
	18,18	NR			NR
YWUP8N	PowerPlex® Fusion 6C, GlobalFiler™				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18,18	8,12
	14,16	14.2,16	28,30	15,16	XX
	24,24			21,30.2	6,7
	18,18	Not Detected			Not Detected
Z9H8FL	PowerPlex® 21				
1	11,16	22,25		15,16	11,12
	8,11	11,13		18,18	8,12
	14,16	14.2,16	28,30		XX
	24,24	12,14	11,11		6,7
	18,18				11,11
ZM22PQ	GlobalFiler™ Express				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18	8,12
	14,16	14.2,16	28,30	15,16	X
	24			21,30.2	6,7
	18	NR			NR
ZNWAZV	PowerPlex® Fusion 6C				
1	11,16	22,25	11,14	15,16	11,12
	8,11	11,13	14,15	18,18	8,12
	14,16	14.2,16	28,30	15,16	XX
	24,24	12,14	11,11	21,30.2	6,7
	18,18	NR	NR	NR	11,11

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

ZPMFEZ	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
ZRVX9P	PowerPlex® Fusion (DNAxs)					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24	12,14	11	21,30.2	6,7	11
	18					
ZT7RUH	GlobalFiler™					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18	8,12	9,13
	14,16	14.2,16	28,30	15,16	X	10,12
	24			21,30.2	6,7	11
	18					
ZVU6XU	PowerPlex® Fusion 6C					
1	11,16	22,25	11,14	15,16	11,12	
	8,11	11,13	14,15	18,18	8,12	9,13
	14,16	14.2,16	28,30	15,16	XX	10,12
	24,24	12,14	11,11	21,30.2	6,7	11,11
	18,18	NR	NR	NR		

TABLE 1

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

Item 2 - STR Results

2ARHMP	GlobalFiler™ (STRmix)					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
2LLWRT	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
2MQQ3H	PowerPlex® Fusion 5C					
	14,17.3	20,20	10,10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	10,11	14,15		6,7	8,11
	16,17	9				
2WLM9U	GlobalFiler™ (STRmix)					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
2YLTPK	PowerPlex® Fusion 5C					
	14,17.3	20	10	15,17	11,12	-
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25	10,11	14,15	-	6,7	8,11
	16,17	9	-	-	-	
3A287R	GlobalFiler™ (STRMIX)					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
3NHZUY	NGM SElect					
	14,17.3	20,20	10,10	15,17		
2		13,15	14,16	18,23		9,12
	14,15	13.2,14	27,30	15,15	X,Y	
	22,25			29.2,35	6,7	
	16,17					

TABLE 1

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

Item 2 - STR Results

3UUVRG	Investigator® 24plex				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11
44A8JK	GlobalFiler™ (TrueAllele)				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11
46QFD7	GlobalFiler™ Direct				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11
4AJFUM	PowerPlex® Fusion 5C				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25	10,11	14,15		6,7
	16,17	9			8,11
4BV6YK	GlobalFiler™ (TrueAllele)				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11
4C7UHW	PowerPlex® Fusion 5C				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25	10,11	14,15		6,7
	16,17	9			8,11
4PT7NE	Investigator® 24plex				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11

TABLE 1

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

Item 2 - STR Results

4Y3NAJ	GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	N/A
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	N/A	N/A	29.2,35	6,7	8,11
	16,17	9	N/A	N/A	2	
4ZCLVN	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
4ZRWDT	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
64AJJL	GlobalFiler™ (STRmix)					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
68Q2MN	PowerPlex® Fusion 6C					
	14,17.3	20,20	10,10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	10,11	14,15	29.2,35	6,7	8,11
	16,17	9	23	20		
6DVM7	GlobalFiler™ Direct					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
6JYL4V	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	

TABLE 1

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

Item 2 - STR Results

6JYT3G	Investigator® 24plex QS					
2	14,17.3	20,20	10,10	15,17	11,12	N/A
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	N/A	N/A	29.2,35	6,7	8,11
	16,17	9	N/A	N/A	N/A	
6MGWVF	PowerPlex® 5C					
2	14,17.3	20,20	10,10	15,17	11,12	N/A
	10,12	13,15	14,16	18,23	9,11	9,12
	14,[15]	13.2,14	27,30	15,15	X,Y	10,12
	22,25	10,11	14,15	N/A	6,7	8,11
	16,17	9	N/A	N/A	N/A	
6MYXZV	GlobalFiler™					
2	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
6QPUVG	PowerPlex® ESI 17 Fast, GlobalFiler™					
2	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
6RJMNE	GlobalFiler™					
2	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
6YFHJR	GlobalFiler™					
2	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
6ZCZLT	GlobalFiler™					
2	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	

TABLE 1

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

Item 2 - STR Results

76JVWG	GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
778HBP	GlobalFiler™ (STRmix)					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
7DU69F	PowerPlex® Fusion					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25	10,11	14,15		6,7	8,11
	16,17	9				
7E3CJV	GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
7GUG4F	PowerPlex® Fusion					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25	10,11	14,15		6,7	8,11
	16,17	9				
7KUPBC	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
7MG4YL	GlobalFiler™ Direct					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	

TABLE 1

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

Item 2 - STR Results

7MY6XG	Investigator® 24plex QS, 27FlexPlex				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25		14,15	29.2,35	6,7
	16,17	9	23	20	
7UGTCJ	GlobalFiler™				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2
7YAP6G	PowerPlex® Fusion 6C				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25	10,11	14,15	29.2,35	6,7
	16,17	9	23	20	
7Z698H	GlobalFiler™ Express				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2
7ZLCVH	PowerPlex® ESI17 fast				
2	14,17.3	20	10	15,17	
		13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17				
82XJHB	GlobalFiler™ (STRmix)				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2
83VRRF	GlobalFiler™				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25	N/A	N/A	29.2,35	6,7
	16,17	9	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

84ZGQJ	PowerPlex® Fusion					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25	10,11	14,15		6,7	8,11
	16,17	9				
86XPZN	PowerPlex® Fusion 6C					
	14,17.3	20,20	10,10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	10,11	14,15	29.2,35	6,7	8,11
	16,17	9	23	20		
8FDNHC	PowerPlex® 5C					
	14,17.3	20,20	10,10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	10,11	14,15		6,7	8,11
	16,17	9				
8GVEGA	GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
8KMWUF	PowerPlex® Fusion 6C					
	14,17.3	20,20	10,10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	10,11	14,15	29.2,35	6,7	8,11
	16,17	9	23	20		
8L6LKM	PowerPlex® Fusion 6C					
	14,17.3	20,20	10,10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	10,11	14,15	29.2,35	6,7	8,11
	16,17	9	23	20		
8PF2MJ	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	

TABLE 1

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

Item 2 - STR Results

8QRKMF	GlobalFiler™ (Genemapper ID-x)				
	14,17.3	20	10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2
8R3MAE	GlobalFiler™ (Genemapper ID-x)				
	14,17.3	20	10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2
8XWFPN	GlobalFiler™ (STRmix)				
	14,17.3	20	10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2
972U3A	GlobalFiler™ Express				
	14,17.3	20	10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2
9998PH	GlobalFiler™				
	14,17.3	20	10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2
9PG34B	Investigator® 24plex				
	14,17.3	20,20	10,10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25			29.2,35	6,7
	16,17	9			
9TYD2F	GlobalFiler™ Express				
	14,17.3	20	10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2

TABLE 1

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

Item 2 - STR Results

9VHHPC	ESI-17Fast					
	14,17.3	20,20	10,10	15,17		
2		13,15	14,16	18,23		9,12
	14,15	13.2,14	27,30	15,15	X,Y	
	22,25			29.2,35	6,7	
	16,17					
9ZHJV2	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
A8WRVG	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
AJ334P	GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	--
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	--	--	29.2,35	6,7	8,11
	16,17	9	--	--	2	
AJNBFE	GlobalFiler™ Express					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
AV444N	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
AXMFNC	GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			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

AYF9GA	GlobalFiler™ (STRmix)					
	14,17.3	20,20	10,10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
B3XVPM	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
B94LUE	PowerPlex® Fusion 5C					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25	10,11	14,15		6,7	8,11
	16,17	9				
BF34BC	GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	N/A
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	N/A	N/A	29.2,35	6,7	8,11
	16,17	9	N/A	N/A	2	
BGENFE	PowerPlex® Fusion					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25	10,11	14,15		6,7	8,11
	16,17	9				
BJ2A2B	PowerPlex® 21					
	14,17.3	20		15,17	11,12	11
2	10,12	13,15		18,23	9,11	9,12
	14,15	13.2,14	27,30		X,Y	10,12
	22,25	10,11	14,15		6,7	8,11
	16,17					
BJKBTJ	GlobalFiler™ (STRmix)					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	

TABLE 1

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

Item 2 - STR Results

BKALJC	PowerPlex® Fusion 6C (STRmix 2.9)				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25	10,11	14,15	29.2,35	6,7
	16,17	9	23	20	
BNE6QK	GlobalFiler™ (STRmix)				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2
C2HN8C	GlobalFiler™				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25	NA	NA	29.2,35	6,7
	16,17	9	NA	NA	2
CE7VZ8	GlobalFiler™				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2
CJ3F7C	GlobalFiler™				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25	NA	NA	29.2,35	6,7
	16,17	9	NA	NA	2
CXJFWB	PowerPlex® Fusion 6C, GlobalFiler™				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2
CZPXV7	GlobalFiler™				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			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

D4L7E7	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
D8GUVB	GlobalFiler™ Direct					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
DA72FB	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
DCAYMW	GlobalFiler™ Direct					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
DEXFW6	GlobalFiler™ Express					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
DLYML7	GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
DPLZPH	PowerPlex® Fusion 6C					
	14,17.3	20,20	10,10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	10,11	14,15	29.2,35	6,7	8,11
	16,17	9	23	20		

TABLE 1

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

Item 2 - STR Results

DTJN2H	GlobalFiler™ (STRmix)					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
E2AQJK	GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
E6UF84	GlobalFiler™ (STRmix)					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
EBYEF9	PowerPlex® Fusion 6C					
	14,17.3	20,20	10,10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	10,11	14,15	29.2,35	6,7	8,11
	16,17	9	23	20		
ECUWHA	GlobalFiler™ Express					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
EG43AA	GlobalFiler™ (DNAxs, ver. 2.8.11)					
	14,17.3	20,20	10,10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
EJPZJL	PowerPlex® Fusion 5C					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25	10,11	14,15		6,7	8,11
	16,17	9				

TABLE 1

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

Item 2 - STR Results

EMAP86	GlobalFiler™				
	14,17.3	20	10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11
					2
EN4FCX	GlobalFiler™ Direct (STRmix)				
	14,17.3	20	10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11
					2
ENMFWF	Investigator® 24plex GO! (STRmix)				
	14,17.3	20	10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11
					2
EPDRM9	GlobalFiler™ Express				
	14,17.3	20,20	10,10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11
					2
EWXHHF	Investigator® 24plex QS (STRmix)				
	14,17.3	20	10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11
					2
FCPZL6	GlobalFiler™				
	14,17.3	20	10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11
					2
FHUNF6	ESI 17 FAST				
	14,17.3	20,20	10,10	15,17	
2		13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y
	22,25			29.2,35	6,7
	16,17				

TABLE 1

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

Item 2 - STR Results

FKHAUE	GlobalFiler™ (STRmix)					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
FP9LPB	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
FQQE6M	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
FU69M6	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
FWE4J6	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
FYLCUB	PowerPlex® Fusion					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25	10,11	14,15		6,7	8,11
	16,17	9				
FZAXG7	GlobalFiler™ Express					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			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

FZDEE6	GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
G48V64	ESI-17 FAST					
	14,17.3	20,20	10,10	15,17		
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y	
	22,25			29.2,35	6,7	
	16,17					
G4QU79	PowerPlex® Fusion					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25	10,11	14,15		6,7	8,11
	16,17	9				
G86GV7	PowerPlex® Fusion 5C					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25	10,11	14,15		6,7	8,11
	16,17	9				
GAEC16	PowerPlex® Fusion 6C, GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
GF324U	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
GGXK7V	GlobalFiler™ Direct (STRmix)					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	

TABLE 1

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

Item 2 - STR Results

GHPE87	PowerPlex® Fusion 6C, GlobalFiler™				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2
GL7489	GlobalFiler™ Express				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2
GM4CGD	PowerPlex® Fusion 6C				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25	10,11	14,15	29.2,35	6,7
	16,17	9	23	20	
GRWDG8	GlobalFiler™ Express				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2
H6XAEY	Investigator® 24plex				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25			29.2,35	6,7
	16,17	9			
H8MHKU	GlobalFiler™ Direct				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2
HBNLCG	GlobalFiler™				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2

TABLE 1

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

Item 2 - STR Results

HFMVP4	GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
HHJNC8	PowerPlex® 5C					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25	10,11	14,15		6,7	8,11
	16,17	9				
HJF8D9	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
J4J6G2	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
JHJ43D	GlobalFiler™ (STRmix)					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
JLHM2Q	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
JMFMA3	GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	N/A
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	N/A	N/A	29.2,35	6,7	8,11
	16,17	9	N/A	N/A	2	

TABLE 1

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

Item 2 - STR Results

K97JA2	GlobalFiler™ Express				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2
KA7CCF	GlobalFiler™				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2
KBGCE2	PowerPlex® Fusion				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25	10,11	14,15		6,7
	16,17	9			8,11
KCA69Y	GlobalFiler™				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11
KD7MAZ	GlobalFiler™				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11
KEFRL4	GlobalFiler™ Express				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11
KK68AB	GlobalFiler™ (STRmix)				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11

TABLE 1

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

Item 2 - STR Results

KN87PA	PowerPlex® Fusion 6C					
	14,17.3	20,20	10,10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	10,11	14,15	29.2,35	6,7	8,11
	16,17	9	23	20		
KTU386	GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
KUCRT7	GlobalFiler™ (STRmix)					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
KWH8BA	PowerPlex® Fusion 6C					
	14,17.3	20,20	10,10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	10,11	14,15	29.2,35	6,7	8,11
	16,17	9	23	20		
KZUF89	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
L2KXNZ	PowerPlex® Fusion 6C, GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
L32UGZ	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	

TABLE 1

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

Item 2 - STR Results

LD3KVF	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
LFPYJP	GlobalFiler™ Direct					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
LKJZL4	GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
LTBEMP	GlobalFiler™ Direct					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
LVYVWX	GlobalFiler™ Express					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
LWAPJP	GlobalFiler™ Direct (STRmix)					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
M62KXY	PowerPlex® Fusion 6C, GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	

TABLE 1

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

Item 2 - STR Results

MBP64Z	PowerPlex® Fusion 5C				
	14,17.3	20	10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25	10,11	14,15	6,7	8,11
	16,17	9			
MT87X3	PowerPlex® Fusion				
	14,17.3	20	10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25	10,11	14,15	6,7	8,11
	16,17	9			
MT949X	GlobalFiler™				
	14,17.3	20,20	10,10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y
	22,25			29.2,35	6,7
	16,17	9		2	8,11
MTNHG8	PowerPlex® Fusion 6C				
	14,17.3	20,20	10,10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y
	22,25	10,11	14,15	29.2,35	6,7
	16,17	9	23	20	8,11
N2WGL3	GlobalFiler™				
	14,17.3	20	10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9		2	8,11
NBK87A	GlobalFiler™				
	14,17.3	20	10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9		2	8,11
NBZGXW	PowerPlex® Fusion 6C				
	14,17.3	20,20	10,10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y
	22,25	10,11	14,15	29.2,35	6,7
	16,17	9	23	20	8,11

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

NDC7K8	GlobalFiler™ (STRmix)					
2	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
NEKJ2A	GlobalFiler™ (STRmix 2.7)					
2	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
NEPVP7	PowerPlex® Fusion 6C					
2	14,17.3	20,20	10,10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	10,11	14,15	29.2,35	6,7	8,11
	16,17	9	23	20		
NKUGVN	GlobalFiler™ Direct					
2	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
NRRBMU	GlobalFiler™ Express					
2	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
NTJCQW	GlobalFiler™ Express					
2	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
NTQA73	GlobalFiler™ Express					
2	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	

TABLE 1

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

Item 2 - STR Results

NUEVTX	Investigator® 24plex QS					
2	14,17.3	20,20	10,10	15,17	11,12	n/a
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25	n/a	n/a	29.2,35	6,7	8,11
	16,17	9	n/a	n/a	n/a	
NW66Q7	PowerPlex® Fusion 6C					
2	14,17.3	20,20	10,10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	10,11	14,15	29.2,35	6,7	8,11
	16,17	9	23	20		
NW6A29	GlobalFiler™					
2	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
P9XTGY	GlobalFiler™ Express					
2	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
PCW4DY	GlobalFiler™ Express					
2	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
PK6X68	GlobalFiler™ (STRmix)					
2	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
PPK9KV	GlobalFiler™ Express					
2	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	

TABLE 1

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

Item 2 - STR Results

Q3ULRU	PowerPlex® ESI 17 FAST, Fusion				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25	10,11	14,15	29.2,35	6,7
	16,17	9			8,11
Q9R2Z3	GlobalFiler™				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11
QHEYR9	GlobalFiler™				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11
QTDUMH	GlobalFiler™				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11
QY43AX	GlobalFiler™ Express				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11
R4TWQV	GlobalFiler™				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y
	22,25	N/A	N/A	29.2,35	6,7
	16,17	9	N/A	N/A	8,11
R9B494	GlobalFiler™				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			8,11

TABLE 1

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

Item 2 - STR Results

RDZNAX	Identifiler®	20,20	15,17	11,12	
2	10,12	13,15		9,11	9,12
	14,15	13.2,14	27,30	X,Y	10,12
	22,25			6,7	8,11
	16,17				
REAQWV	GlobalFiler™	20,20	10,10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25		29.2,35	6,7	8,11
	16,17	9		2	
RF79XX	GlobalFiler™	20,20	10,10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25		29.2,35	6,7	8,11
	16,17	9		2	
RFNCA6	GlobalFiler™	20	10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25		29.2,35	6,7	8,11
	16,17	9		2	
RJ6LEW	GlobalFiler™ IQC (15)	20,20	10,10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25		29.2,35	6,7	8,11
	16,17	9		2	
RN4RH3	PowerPlex® Fusion 6C	20,20	10,10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25	10,11	14,15	29.2,35	6,7
	16,17	9	23	20	8,11
RNYEV7	GlobalFiler™	20	10	15,17	11,12
2	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25		29.2,35	6,7	8,11
	16,17	9		2	

TABLE 1

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

Item 2 - STR Results

RQ8RC8	GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
RRFNZW	PowerPlex® Fusion 6C					
	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25	10,11	14,15	29.2,35	6,7	8,11
	16,17	9	23	20		
RVMZ3R	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
RX7BE3	GlobalFiler™ (STRmix)					
	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
T3FRNR	GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
TDY47V	GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	N/A
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	N/A	N/A	29.2,35	6,7	8,11
	16,17	9	N/A	N/A	2	
TJ3AGR	PowerPlex® Fusion 6C, GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	

TABLE 1

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

Item 2 - STR Results

TMJCNX	GlobalFiler™ Express					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
TP8XBT	GlobalFiler™ Express					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
TTQ3PH	GlobalFiler™ Direct					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
ULLGHZ	PowerPlex® Fusion 6C					
	14,17.3	20,20	10,10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	10,11	14,15	29.2,35	6,7	8,11
	16,17	9	23	20		
UPKXQN	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
UQENVG	GlobalFiler™ Direct					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
UT9CFX	GlobalFiler™ Direct					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	

TABLE 1

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

Item 2 - STR Results

UXZQVR	Investigator® 24plex QS					
2	14,17.3	20,20	10,10	15,17	11,12	N/A
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	N/A	N/A	29.2,35	6,7	8,11
	16,17	9	N/A	N/A	N/A	
V8GP7U	PowerPlex® Fusion 6C (GENEMAPPER ID-X V1.5)					
2	14,17.3	20,20	10,10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	10,11	14,15	29.2,35	6,7	8,11
	16,17	9	23	20		
VBKH2E	GlobalFiler™					
2	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
VK6WYP	PowerPlex® 6C (BP Sentry)					
2	14,17.3	20,20	10,10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	10,11	14,15	29.2,35	6,7	8,11
	16,17	9	23	20		
VTZR3E	GlobalFiler™					
2	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
VUBWF3	GlobalFiler™					
2	14,17.3	20	10	15,17	11,12	
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
VUYTBR	GlobalFiler™					
2	14,17.3	20,20	10,10	15,17	11,12	N/A
	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	N/A	N/A	29.2,35	6,7	8,11
	16,17	9	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

VYQ67N	GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
W773A2	GlobalFiler™ (STRmix)					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
WVQ8P	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
WKPPJY	GlobalFiler™ (STRMIX)					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
WN6FKN	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
WUA4EN	PowerPlex® ESI-17 Fast					
	14,17.3	20,20	10,10	15,17		
	2	13,15	14,16	18,23		9,12
	14,15	13.2,14	27,30	15,15	X,Y	
	22,25			29.2,35	6,7	
	16,17					
WVJ76U	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	

TABLE 1

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

Item 2 - STR Results

X4B7VR	GlobalFiler™ Express				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2
X9PGD2	GlobalFiler™				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25	--	--	29.2,35	6,7
	16,17	9	--	--	2
XAFX9V	PowerPlex® Fusion 6C				
2	14,17.3	20,20	10,10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15,15	X,Y
	22,25	10,11	14,15	29.2,35	6,7
	16,17	9	23	20	
XDM366	GlobalFiler™ (STRmix)				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			2
XFAWMQ	PowerPlex® 6C				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25	10,11	14,15	29.2,35	6,7
	16,17	9	23	20	
XNKY9R	PowerPlex® Fusion 6C				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25	10,11	14,15	29.2,35	6,7
	16,17	9	23	20	
XPRF2V	Investigator® 24plex GO! (STRmix)				
2	14,17.3	20	10	15,17	11,12
	10,12	13,15	14,16	18,23	9,11
	14,15	13.2,14	27,30	15	X,Y
	22,25			29.2,35	6,7
	16,17	9			

TABLE 1

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

Item 2 - STR Results

XWCLPP	GlobalFiler™ Express					
	14,17.3	20,20	10,10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9,F			2,F	
YECNDL	GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
YWUP8N	PowerPlex® Fusion 6C, GlobalFiler™					
	14,17.3	20,20	10,10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
Z9H8FL	PowerPlex® 21					
	14,17.3	20,20		15,17	11,12	11,11
	2	10,12	13,15	18,23	9,11	9,12
	14,15	13.2,14	27,30		X,Y	10,12
	22,25	10,11	14,15		6,7	8,11
	16,17					
ZM22PQ	GlobalFiler™ Express					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
ZNWAZV	PowerPlex® Fusion 6C					
	14,17.3	20,20	10,10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	10,11	14,15	29.2,35	6,7	8,11
	16,17	9	23	20		
ZPMFEZ	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
	2	10,12	13,15	14,16	18,23	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			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

ZRVX9P	PowerPlex® Fusion (DNAxs)					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25	10,11	14,15	29.2,35	6,7	8,11
	16,17	9	23	20		
ZT7RUH	GlobalFiler™					
	14,17.3	20	10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15	X,Y	10,12
	22,25			29.2,35	6,7	8,11
	16,17	9			2	
ZVU6XU	PowerPlex® Fusion 6C					
	14,17.3	20,20	10,10	15,17	11,12	
2	10,12	13,15	14,16	18,23	9,11	9,12
	14,15	13.2,14	27,30	15,15	X,Y	10,12
	22,25	10,11	14,15	29.2,35	6,7	8,11
	16,17	9	23	20		

TABLE 1

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

Item 3 - STR Results

2ARHMP	GlobalFiler™ (STRmix)				
	11,13,14,15,16,17.3	19,20,21,22,24,25	9,10,11,13,14	14,15,16,17	10,11,12
3	8,10,11,12	10,11,12,13,14,15	13,14,15,16	17,18,23	8,9,11,12
	13,14,15,16	12,2,13,2,14,14,2,15,16	27,28,29,30	14,15,16	X,Y
	22,23,24,25			20,21,29,2,30,2,35	6,7
	16,17,18	9			2
2MQQ3H	PowerPlex® Fusion 5C				
	11,14,16,17.3	20,22,25	10,11,14	15,[16],[17]	11,[12]
3	8,10,11,12	[11],13,[15]	14,[15],[16]	18,[23]	8,9,11,12
	14,[15],[16]	13,2,14,14,2,16	[27],[28],30	15,[16]	X,[Y]
	[22],24,[25]	10,11,12,14	11,[14],[15]		6,7
	[16],[17],18	9			[8],11
2WLM9U	GlobalFiler™ (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13,2,14,14,2,16	27,28,30	15,16	X,Y
	22,24,25			21,29,2,30,2,35	6,7
	16,17,18	9			2
2YLTPK	PowerPlex® Fusion 5C				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13,2,14,14,2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	-	6,7
	16,17,18	9	-	-	-
3A287R	GlobalFiler™ (STRMIX)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13,2,14,14,2,16	27,28,30	15,16	X,Y
	22,24,25			21,29,2,30,2,35	6,7
	16,17,18	9			2
3NHZUY	NGM SElect				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	
3		11,13,15	14,15,16	18,23	9,12,13
	14,15,16	13,2,14,14,2,16	27,28,30	15,16	X,Y
	22,24,25			21,29,2,30,2,35	6,7
	16,17,18				
3UUVRG	Investigator® 24plex (STRmix version 2.5.11)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13,2,14,14,2,16	27,28,30	15,16	X,Y
	22,24,25			21,29,2,30,2,35	6,7
	16,17,18	9			8,11

TABLE 1

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

Item 3 - STR Results

44A8JK	GlobalFiler™ (TrueAllele)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
46QFD7	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16,17	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
4AJFUM	PowerPlex® Fusion 5C				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15		6,7
	16,17,18	9			8,11
4BV6YK	GlobalFiler™ (TrueAllele: VUler Release 2022b)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
4C7UHW	PowerPlex® Fusion 5C				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	[11],13,[15]	14,15,16	18,[23]	8,9,11,12
	14,[15,16]	13.2,14,14.2,16	27,28,30	15,[16]	X,[Y]
	[22],24,[25]	10,11,12,14	11,[14,15]		6,7
	[16,17],18	9			[8],11
4PT7NE	Investigator® 24plex (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
4Y3NAJ	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	N/A	N/A	21,29.2,30.2,35	6,7
	16,17,18	9	N/A	N/A	2

TABLE 1

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

Item 3 - STR Results

4ZCLVN	GlobalFiler™ (STRmix)				
	11,13,14,15,16,16.3,17.3	19,20,21,22,24,25	9,10,11,13,14	14,15,16,17	10,11,12
3	8,9,10,11,12	10,11,12,13,15	13,14,15,16	17,18,22,23	8,9,11,12
	13,14,15,16	13,13.2,14,14.2,15,16	27,28,29,30	14,15,16	X,Y
	21,22,23,24,25			20,21,28.2,29.2,30.2,34,35	6,7
	15,16,17,18	9			8,10,11
					2
4ZRWDT	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
					2
64AJJL	GlobalFiler™ (STRmix)				
	11,13,14,15,16,17.3	19,20,21,22,24,25	9,10,11,14	14,15,16,17	10,11,12
3	8,10,11,12	10,11,12,13,14,15	13,14,15,16	17,18,22,23	8,9,11,12
	13,14,15,16	13,13.2,14,14.2,16	27,28,29,30	14,15,16	X,Y
	21,22,23,24,25			20,21,28.2,29.2,30.2,34,35	6,7
	16,17,18	9			8,10,11
					2
68Q2MN	PowerPlex® Fusion 6C (STRmix V2.5.11)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
	16,17,18	9	23	20	8,11
6DVM7	GlobalFiler™ (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16,17	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
					2
6JYL4V	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
					2

TABLE 1

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

Item 3 - STR Results

6JYT3G	Investigator® 24plex QS				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	N/A	N/A	21,29.2,30.2,35	6,7
	16,17,18	9	N/A	N/A	N/A
6MGWVF	GlobalFiler™ (BP Sentry)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,[23]	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,[Y]
	[22],24,[25]	N/A	N/A	21,29.2,30.2,35	6,7
	[16],[17],18	9	N/A	N/A	[8],11
6MYXZV	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
6QPUVG	PowerPlex® ESI 17 Fast, GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
6RJMNE	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
6YFHJR	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
6ZCZLT	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2

TABLE 1

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

Item 3 - STR Results

76JVWG	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
778HBP	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
7DU69F	PowerPlex® Fusion				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15		6,7
	16,17,18	9			8,11
7E3CJV	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
7GUG4F	PowerPlex® Fusion				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15		6,7
	16,17,18	9			8,11
7KUPBC	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
7MY6XG	Investigator® 24plex QS				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11

TABLE 1

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

Item 3 - STR Results

7UGTCJ	GlobalFiler™					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
7YAP6G	PowerPlex® Fusion 6C (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7	8,11
	16,17,18	9	23	20		
7Z698H	GlobalFiler™ (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
7ZLCVH	PowerPlex® ESI17 fast					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17		
3		11,13,15	14,15,16	18,23		9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	
	22,24,25			21,29.2,30.2,35	6,7	
	16,17,18					
82XJHB	GlobalFiler™ (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
83VRRF	GlobalFiler™					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	N/A
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25	N/A	N/A	21,29.2,30.2,35	6,7	8,11
	16,17,18	9	N/A	N/A	2	
84ZGQJ	PowerPlex® Fusion					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25	10,11,12,14	11,14,15		6,7	8,11
	16,17,18	9				

TABLE 1

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

Item 3 - STR Results

86XPZN	PowerPlex® Fusion 6C				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
	16,17,18	9	23	20	8,11
8FDNHC	Investigator® 24plex (BP Sentry)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,[23]	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,[Y]
	[22],24,[25]			21,29.2,30.2,35	6,7
	16,17,18	9			[8],11
8GVEGA	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
8KMWUF	PowerPlex® Fusion 6C (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
	16,17,18	9	23	20	8,11
8L6LKM	PowerPlex® Fusion 6C				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
	16,17,18	9	23	20	8,11
8PF2MJ	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
8QRKMF	GlobalFiler™ (Genemapper ID-x)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11

TABLE 1

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

Item 3 - STR Results

8R3MAE	GlobalFiler™ (Genemapper ID-x)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
8XWFPN	GlobalFiler™ (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
972U3A	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
9998PH	GlobalFiler™ (STRmix)				
	10,11,13,14,15,16,17.3	19,20,21,22,24,25	9,10,11,14	14,15,16,17	10,11,12
3	8,10,11,12	11,12,13,14,15	13,14,15,16	17,18,22,23	8,9,10,11,12
	13,14,15,16	12.2,13.2,14,14.2,15,16	27,28,29,30	14,15,16	X,Y
	21,22,23,24,25			20,21,28.2,29.2,30.2,34,35	6,7
	16,17,18	9			2
9PG34B	Investigator® 24plex (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
9TYD2F	GlobalFiler™ (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2

TABLE 1

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

Item 3 - STR Results

9VHHPC	ESI-17Fast					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17		
3		11,13,15	14,15,16	18,23		9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	
	22,24,25			21,29.2,30.2,35	6,7	
	16,17,18					
A8WRVG	GlobalFiler™ (STRmix)					
	11,14,15,16,17.3	19,20,22,25	9,10,11,14	14,15,16,17	10,11,12	
3	8,10,11,12	10,11,12,13,15	13,14,15,16	17,18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,29,30	14,15,16	X,Y	10,11,12
	22,23,24,25			21,29.2,30.2,35	6,7	8,10,11
	16,17,18	9			2	
AJ334P	GlobalFiler™					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	--
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25	--	--	21,29.2,30.2,35	6,7	8,11
	16,17,18	9	--	--	2	
AJNBFE	GlobalFiler™ (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
AV444N	GlobalFiler™ (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
AXMFNC	GlobalFiler™					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
AYF9GA	GlobalFiler™ (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	

TABLE 1

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

Item 3 - STR Results

B3XVPM	GlobalFiler™ (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
B94LUE	PowerPlex® Fusion 5C					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25	10,11,12,14	11,14,15		6,7	8,11
	16,17,18	9				
BF34BC	GlobalFiler™					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	N/A
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25	N/A	N/A	21,29.2,30.2,35	6,7	8,11
	16,17,18	9	N/A	N/A	2	
BGENFE	PowerPlex® Fusion					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25	10,11,12,14	11,14,15		6,7	8,11
	16,17,18	9				
BJ2A2B	PowerPlex® 21					
	11,14,16,17.3	20,22,25		15,16,17	11,12	11,13,16
3	8,10,11,12	11,13,15		18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30		X,Y	10,12
	22,24,25	10,11,12,14	11,14,15		6,7	8,11
	16,17,18					
BJKBTJ	GlobalFiler™ (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
BKALJC	PowerPlex® Fusion 6C (STRmix 2.9)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7	8,11
	16,17,18	9	23	20		

TABLE 1

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

Item 3 - STR Results

BNE6QK	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
C2HN8C	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	NA	NA	21,29.2,30.2,35	6,7
	16,17,18	9	NA	NA	2
CE7VZ8	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
CJ3F7C	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	NA	NA	21,29.2,30.2,35	6,7
	16,17,18	9	NA	NA	2
CXJFWB	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
CZPXV7	(STRmix v2.11)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
D4L7E7	NGM SE				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	
		11,13,15	14,15,16	18,23	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18				

TABLE 1

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

Item 3 - STR Results

D8GUVB	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	20.1,22,24,25			21,29,29.2,30.2,35	4,6,7
	16,17,18	9			2
DA72FB	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
DCAYMW	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16,17	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
DEXFW6	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
DLYML7	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
DPLZPH	PowerPlex® Fusion 6C				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
	16,17,18	9	23	20	8,11
DTJN2H	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2

TABLE 1

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

Item 3 - STR Results

E6UF84	GlobalFiler™ (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
EBYEF9	PowerPlex® Fusion 6C (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7	8,11
	16,17,18	9	23	20		
ECUWHA	GlobalFiler™ (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
EG43AA	GlobalFiler™ (DNAxs, ver. 2.8.11)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
EJPZJL	PowerPlex® Fusion 5C					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	[11],13,[15]	14,15,[16]	18,[23]	8,9,11,12	9,[12],13
	14,[15],[16]	13.2,14,14.2,16	27,28,30	15,[16]	X,[Y]	10,12
	[22],24,[25]	10,11,12,14	11,[14],[15]		6,7	[8],11
	[16],[17],18	9				
EMAP86	GlobalFiler™ (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
EN4FCX	GlobalFiler™ (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16,17	X,Y	10,12
	22,24,25			20.2,21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	

TABLE 1

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

Item 3 - STR Results

ENMFWF	Investigator® 24plex QS (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
EPDRM9	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
					2
EWXHHF	Investigator® 24plex QS (STRMix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
FCPZL6	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
					2
FHUNF6	ESI 17 FAST				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	
3		11,13,15	14,15,16	18,23	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18				
FKHAUE	GlobalFiler™ (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
					2

TABLE 1

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

Item 3 - STR Results

FP9LPB	GlobalFiler™ (STRmix)				
	10,11,13,14,15,16, 16,3,17,3	19,20,21,22,24,25	9,10,11,13,14	14,15,16,17	10,11,12
3	8,9,10,11,12	10,11,12,13,14,15	13,14,15,16	17,18,22,23	8,9,10,11,12
	13,14,15,16	12,2,13,2,14,14,2,1 5,16	26,27,28,29,30	14,15,16,17	X,Y
	21,22,23,24,25			20,21,28,2,29,2,30,2 ,34,35	6,7
	16,17,18	9			8,10,11
					2
FQQE6M	GlobalFiler™				
	11,14,16,17,3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13,2,14,14,2,16	27,28,30	15,16	X,Y
	22,24,25			21,29,2,30,2,35	6,7
	16,17,18	9			8,11
					2
FU69M6	GlobalFiler™				
	11,14,16,17,3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13,2,14,14,2,16	27,28,30	15,16	X,Y
	22,24,25			21,29,2,30,2,35	6,7
	16,17,18	9			8,11
					2
FWE4J6	GlobalFiler™ (STRmix)				
	11,14,16,17,3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13,2,14,14,2,16	27,28,30	15,16	X,Y
	22,24,25			21,29,2,30,2,35	6,7
	16,17,18	9			8,11
					2
FYLCUB	PowerPlex® Fusion				
	11,14,16,17,3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13,2,14,14,2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15		6,7
	16,17,18	9			8,11
					2
FZAXG7	GlobalFiler™				
	11,14,16,17,3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13,2,14,14,2,16	27,28,30	15,16	X,Y
	22,24,25			21,29,2,30,2,35	6,7
	16,17,18	9			8,11
					2

TABLE 1

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

Item 3 - STR Results

FZDEE6	GlobalFiler™					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
G48V64	ESI-17 FAST					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17		
	3	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	
	22,24,25			21,29.2,30.2,35	6,7	
	16,17,18					
G4QU79	PowerPlex® Fusion					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25	10,11,12,14	11,14,15		6,7	8,11
	16,17,18	9				
G86GV7	PowerPlex® Fusion 5C (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25	10,11,12,14	11,14,15		6,7	8,11
	16,17,18	9				
GAEC16	GlobalFiler™					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
GGXK7V	GlobalFiler™ (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16,17	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
GHPE87	GlobalFiler™					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	

TABLE 1

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

Item 3 - STR Results

GL7489	PowerPlex® Fusion 5C				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	6,7	10,12
	16,17,18	9			8,11
GM4CGD	PowerPlex® Fusion 6C				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
	16,17,18	9	23	20	8,11
GRWDG8	GlobalFiler™ (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
					2
H6XAEY	Investigator® 24plex QS				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
H8MHKU	GlobalFiler™ (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25,26			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
					2
HBNLCG	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
					2
HFMVP4	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
					2

TABLE 1

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

Item 3 - STR Results

HHJNC8	PowerPlex® 5C					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25	10,11,12,14	11,14,15		6,7	8,11
	16,17,18	9				
HJF8D9	GlobalFiler™ (STRmix)					
	10,11,14,15,16,17.3	19,20,21,22,24,25	9,10,11,13,14	14,15,16,17	10,11,12,13	
3	8,10,11,12	10,11,12,13,14,15	13,14,15,16	17,18,22,23	8,9,10,11,12	9,12,13
	13,14,15,16	13.2,14,14.2,15,16	26,27,28,29,30,31	14,15,16	X,Y	9,10,11,12
	21,22,23,24,25			20,21,28.2,29.2,30.2,34,35	6,7	8,10,11
	16,17,18	9			2	
J4J6G2	GlobalFiler™					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
JHJ43D	GlobalFiler™ (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
JLHM2Q	GlobalFiler™ (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
JMFMA3	GlobalFiler™					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	N/A
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25	N/A	N/A	21,29.2,30.2,35	6,7	8,11
	16,17,18	9	N/A	N/A	2	
K97JA2	GlobalFiler™					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	

TABLE 1

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

Item 3 - STR Results

KBGCE2	PowerPlex® Fusion				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	6,7	8,11
	16,17,18	9			
KCA69Y	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25		21,29.2,30.2,35	6,7	8,11
	16,17,18	9		2	
KD7MAZ	GlobalFiler™				
3	11,14,16,17.3	20,[22],[25]	10,[11],14	15,16,[17]	11,12
	8,10,11,12	11,13,[15]	14,15,[16]	18,[23]	8,9,11,12
	14,[15],[16]	13.2,14,14.2,16	[27],[28],30	15,[16]	X,[Y]
	[22],24,[25]		21,29.2,30.2,35	6,7	[8],11
	[16],[17],18	9		2	
KEFRL4	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25		21,29.2,30.2,35	6,7	8,11
	16,17,18	9		2	
KK68AB	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25		21,29.2,30.2,35	6,7	8,11
	16,17,18	9		2	
KN87PA	PowerPlex® Fusion 6C				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
	16,17,18	9	23	20	8,11
KTU386	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25		21,29.2,30.2,35	6,7	8,11
	16,17,18	9		2	

TABLE 1

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

Item 3 - STR Results

KUCRT7	GlobalFiler™ (STRmix)				
	10,11,13,14,15,16, 16.3,17.3	19,20,21,22,24,25	9,10,11,13,14	14,15,16,17	10,11,12
3	7,8,9,10,11,12	10,11,12,13,14,15	13,14,15,16	17,18,22,23	8,9,10,11,12,13
	13,14,15,16	12.2,13,13.2,14,14. 2,15,16	26,27,28,29,30	14,15,16,17	X,Y
	21,22,23,24,25			20,21,28.2,29.2,30.2 ,31.2,34,35	6,7
	15,16,17,18	9			8,10,11
					2
KWH8BA	PowerPlex® Fusion 6C				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
	16,17,18	9	23	20	8,11
KZUF89	GlobalFiler™ (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
					2
L2KXNZ	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
					2
L32UGZ	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
					2
LD3KVF	GlobalFiler™ (STRmix)				
	11,14,16,17.3	20,22,[25]	10,11,14	15,[16],[17]	11,12
3	8,10,11,[12]	[11],13,[15]	14,[15],[16]	18,[23]	8,9,11,12
	14,[15],16	13.2,14,14.2,16	[27],28,30	15,[16]	9,[12],13
	[22],24,[25]			21,[29.2],30.2,[35]	X,[Y]
	[16],[17],18	9			10,12
					[8],11
					6,7
					2

TABLE 1

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

Item 3 - STR Results

LFPYJP	GlobalFiler™ (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16,17	X,Y
	22,24,25			20.2,21,29.2,30.2,35	6,7
LKJZL4	16,17,18	9			2
	GlobalFiler™ (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
LTBEMP	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
	GlobalFiler™ (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
LVYVWX	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
LWAPJP	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16,17	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
	GlobalFiler™ (STRmix)				
M62KXY	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
MBP64Z	PowerPlex® Fusion 5C				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15		6,7
	16,17,18	9			

TABLE 1

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

Item 3 - STR Results

MT87X3	PowerPlex® Fusion				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	6,7	8,11
	16,17,18	9			
MT949X	GlobalFiler™				
3	11,[14],16,17.3	20,22,25	10,11,14	15,16,[17]	11,12
	8,[10],11,[12]	[11],[13],[15]	14,[15],[16]	18,[23]	8,9,[11],12
	14,[15],[16]	13.2,[14],14.2,16	27,28,30	15,[16]	X,[Y]
	[22],24,[25]			21,29.2,30.2,[35]	6,7
	[16],[17],18	9			[8],11
MTNHG8	PowerPlex® Fusion 6C				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
	16,17,18	9	23	20	8,11
N2WGL3	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
NBK87A	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
NBZGXW	GlobalFiler™ (BP Sentry)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,[23]	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,[16]	X,[Y]
	[22],24,[25]			21,29.2,30.2,35	6,7
	[16],[17],18	9			[8],11
NDC7K8	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11

TABLE 1

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

Item 3 - STR Results

NEKJ2A	GlobalFiler™ (STRmix 2.7)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
NEPVP7	PowerPlex® Fusion 6C				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
	16,17,18	9	23	20	8,11
NKUGVN	GlobalFiler™ (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16,17	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
NRRBMU	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
NTJCQW	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
NTQA73	PowerPlex® Fusion 5C				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15		6,7
	16,17,18	9			8,11
NUEVTX	Investigator® 24plex QS				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	n/a	n/a	21,29.2,30.2,35	6,7
	16,17,18	9	n/a	n/a	8,11
					n/a

TABLE 1

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

Item 3 - STR Results

NW66Q7	PowerPlex® Fusion 6C				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
	16,17,18	9	23	20	8,11
NW6A29	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
P9XTGY	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
PCW4DY	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
PK6X68	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
PPK9KV	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
Q3ULRU	PowerPlex® ESI17 FAST, Fusion				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
	16,17,18	9			8,11

TABLE 1

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

Item 3 - STR Results

Q9R2Z3	GlobalFiler™ (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
QHEYR9	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
QY43AX	GlobalFiler™ (STRmix)				
	11,12,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
R4TWQV	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	N/A	N/A	21,29.2,30.2,35	6,7
	16,17,18	9	N/A	N/A	2
R9B494	GlobalFiler™ (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
RDZNAX	Identifiler®				
		20,22,25		15,16,17	11,12
3	8,10,11,12	11,13,15			8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,29,30		X,Y
	22,24,25				6,7
	16,17,18				8,11
REAQVW	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2

TABLE 1

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

Item 3 - STR Results

RF79XX	GlobalFiler™					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
		14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
		22,24,25		21,29.2,30.2,35	6,7	10,12
		16,17,18	9		2	8,11
RFNCA6	GlobalFiler™					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
		14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
		22,24,25		21,29.2,30.2,35	6,7	10,12
		16,17,18	9		2	8,11
RJ6LEW	GlobalFiler™ IQC					
	11,14,16,17.3	20,22,25	10,11,14	15,16,(17)	11,12	
	3	8,10,11,(12)	11,13,(15)	14,(15,16)	18,(23)	8,9,11,12
		14,(15),16	13.2,14,14.2,16	(27),28,30	15,(16)	X,(Y)
		(22),24,(25)		21,29.2,30.2,35	6,7	10,12
		(16,17),18	9		2	(8),11
RN4RH3	PowerPlex® Fusion 6C (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
		14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
		22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
		16,17,18	9	23	20	8,11
RNYEV7	GlobalFiler™					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
		14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
		22,24,25		21,29.2,30.2,35	6,7	10,12
		16,17,18	9		2	8,11
RQ8RC8	GlobalFiler™					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
		14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
		22,24,25		21,29.2,30.2,35	6,7	10,12
		16,17,18	9		2	8,11
RRFNZW	PowerPlex® Fusion 6C (STRmix v2.9)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
		14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
		22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
		16,17,18	9	23	20	8,11

TABLE 1

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

Item 3 - STR Results

RVMZ3R	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
RX7BE3	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
T3FRNR	GlobalFiler™				
3	11,[14],16,[17.3]	20,22,25	10,11,14	15,[16],[17]	11,12
	8,10,11,[12]	[11],13,[15]	14,15,[16]	18,[23]	8,[9],[11],12
	14,[15],[16]	13.2,14,14.2,16	[27],[28],30	15,[16]	X,[Y]
	[22],24,[25]			21,29.2,30.2,[35]	6,7
	[16],[17],18	9			[8],11
TDY47V	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	N/A	N/A	21,29.2,30.2,35	6,7
	16,17,18	9	N/A	N/A	2
TJ3AGR	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2
TMJCNX	PowerPlex® Fusion				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15		6,7
	16,17,18	9			8,11
TP8XBT	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			2

TABLE 1

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

Item 3 - STR Results

TTQ3PH	GlobalFiler™ (strmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,14,15	14,15,16	18,23	9,12,13
		14,15,16	13.2,14,14.2,16	27,28,30	15,16,17	X,Y
		22,24,25		21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
ULLGHZ	PowerPlex® Fusion 6C					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
		14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
		22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
	16,17,18	9	23	20		8,11
UPKXQN	GlobalFiler™					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
		14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
		22,24,25		21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
UQENVG	GlobalFiler™ (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
		14,15,16	13.2,14,14.2,16	27,28,30	15,16,17	X,Y
		22,24,25		21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
UT9CFX	GlobalFiler™ (STRmix)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
		14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
		22,24,25		21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
UXZQVR	Investigator® 24plex QS					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	N/A
	3	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
		14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
		22,24,25	N/A	N/A	21,29.2,30.2,35	6,7
	16,17,18	9	N/A	N/A	N/A	8,11
V8GP7U	PowerPlex® Fusion 6C (GENEMAPPER ID-X V1.5)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
		14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
		22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
	16,17,18	9	23	20		8,11

TABLE 1

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

Item 3 - STR Results

VK6WYP	GlobalFiler™ (BP Sentry)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,[23]	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,[16]	X,[Y]
	[22],24,[25]			21,29.2,30.2,35	6,7
	[16],[17],18	9			[8],11
					2
VTZR3E	GlobalFiler™ (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30,31	15,16,17	X,Y
	22,24,25			20.2,21,29.2,30.2,35	6,7
	16,17,18	9			8,11
					2
VUBWF3	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
					2
VUYTBR	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	N/A	N/A	21,29.2,30.2,35	6,7
	16,17,18	9	N/A	N/A	8,11
					2
VYQ67N	GlobalFiler™ (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
					2
W773A2	GlobalFiler™ (STRmix)				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
					2
WVQ8P	GlobalFiler™				
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
3	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
					2

TABLE 1

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

Item 3 - STR Results

WKPPJY	GlobalFiler™ (STRMIX)					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
WN6FKN	16,17,18	9			2	
	GlobalFiler™					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
	3	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
WUA4EN	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
	PowerPlex® ESI-17 Fast					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17		
	3	11,13,15	14,15,16	18,23		9,12,13
WVJ76U	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	
	22,24,25			21,29.2,30.2,35	6,7	
	16,17,18					
	GlobalFiler™ (STRmix)					
	10,11,13,14,15,16,16.3,17.3	19,20,21,22,24,25	9,10,11,13,14	14,15,16,17	10,11,12	
X4B7VR	3	8,10,11,12	10,11,12,13,14,15	13,14,15,16	17,18,22,23	8,9,12,13
	13,14,15,16	12.2,13,13.2,14,14.2,15,16	27,28,29,30	14,15,16,17	X,Y	9,10,11,12
	21,22,23,24,25			20,21,28.2,29.2,30.2,34,35	6,7	8,10,11
	15,16,17,18	9			2	
	GlobalFiler™ (STRmix)					
X9PGD2	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	--
	3	8,10,11,12	11,13,15	14,15,16	18,23	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25	--	--	21,29.2,30.2,35	6,7	8,11
	16,17,18	9	--	--	2	

TABLE 1

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

Item 3 - STR Results

XAFX9V	PowerPlex® Fusion 6C (STRmix V.2.5.11)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
	16,17,18	9	23	20	8,11
XDM366	GlobalFiler™ (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,[14]	15,16,[17]	11,12
	8,10,11,12	11,13,[15]	14,[15],[16]	18,[23]	8,9,11,12
	14,[15],[16]	[13.2],14,14.2,16	27,28,30	15,[16]	X,[Y]
	[22],24,[25]			21,29.2,30.2,35	6,7
	[16],[17],18	9			[8],11
XPRF2V	Investigator® 24plex QS (STRmix)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
XWCLPP	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9,F			8,11
YECNDL	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,[16],[17]	11,12
	8,[10],11,[12]	11,13,[15]	14,[15],[16]	18,[23]	8,[9],[11],12
	14,[15],[16]	13.2,14,14.2,16	[27],28,30	15,[16]	9,[12],[13]
	[22],24,[25]			21,29.2,30.2,35	X,[Y]
	[16],[17],18	9			10,12
YM3AED	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
YWUP8N	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11

TABLE 1

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

Item 3 - STR Results

Z9H8FL	PowerPlex® 21 (STRmix)				
3	11,14,16,17.3	20,22,25	15,16,17,[19]	11,12	11,13,16
	8,10,11,12	11,13,15	18,[18.3],23,[20]	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	X,[Y]	10,12
	22,24,25	10,11,12,14	11,14,15	6,7	8,11
	16,17,18				
ZM22PQ	PowerPlex® Fusion				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	6,7	8,11
	16,17,18	9			
ZNWAZV	PowerPlex® Fusion 6C				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
	16,17,18	9	23	20	8,11
ZPMFEZ	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
ZRVX9P	PowerPlex® Fusion (DNAxs)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
	16,17,18	9	23	20	8,11
ZT7RUH	GlobalFiler™				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25			21,29.2,30.2,35	6,7
	16,17,18	9			8,11
ZVU6XU	PowerPlex® Fusion 6C (STRmix V2.5.11)				
3	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12
	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y
	22,24,25	10,11,12,14	11,14,15	21,29.2,30.2,35	6,7
	16,17,18	9	23	20	8,11

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

E2AQJK	GlobalFiler™					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3e	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			2	
KA7CCF	GlobalFiler™					
	11,14,16,17.3	20,22,25	10,11,14	15,16,17	11,12	
3e	8,10,11,12	11,13,15	14,15,16	18,23	8,9,11,12	9,12,13
	14,15,16	13.2,14,14.2,16	27,28,30	15,16	X,Y	10,12
	22,24,25			21,29.2,30.2,35	6,7	8,11
	16,17,18	9			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

E2AQJK GlobalFiler™

3sp



KA7CCF GlobalFiler™

3sp



TABLE 1

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

Item 4 - STR Results

2YLTPK	PowerPlex® Fusion 5C				
4	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	-	6,7,9
	18	10	-	-	-
7DU69F	PowerPlex® Fusion				
4	11,16	[22],23,25	11,14	15,16	11,[12]
	[8],11,12	8,[11],13	12,[14],15	18,21	8,11,[12]
	10,12,[14],[16]	14,[14.2],[16],17.2	[28],30	11,[15],[16],17	X,Y
	19,22,[24]	12,13,[14]	5,7,[11]	6,[7],9	8,[11]
	18	10			
7E3CJV	GlobalFiler™				
4	11,16	22,23,25	10,11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18,18	10		2	8,11
7UGTCJ	GlobalFiler™				
4	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10		2	8,11
7ZLCVH	PowerPlex® ESI17 fast				
4	11,16	22,23,25	11,14	15,16	
		8,11,13	12,14,15	18,21	9,11,13
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18				
AXMFNC	GlobalFiler™				
4	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10		2	8,11
BJ2A2B	PowerPlex® 21				
4	11,16	22,23,25		15,16	11,12
	8,11,12	8,11,13		18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30		X,Y
	19,22,24	12,13,14	5,7,11		6,7,9
	18				8,11

TABLE 1

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

Item 4 - STR Results

EBYEF9	PowerPlex® Fusion 6C				
4	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9
	18	10	19	17	
EG43AA	GlobalFiler™ (DNAXs, ver. 2.8.11)				
4	11,16	[22],23,25	11,14	15,16	11,[12]
	[8],11,12	8,[11],13	12,[14],15	18,21	8,11,[12]
	10,12,[14],[16]	14,[14.2],[16],17.2	[28],30	11,[15],[16],17	X,Y
	19,22,[24]			[21],24.2,28.2,[30.2]	6,[7],9
	18	10		2	
Q3ULRU	PowerPlex® ESI17 FAST, Fusion				
4	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9
	18	10			

TABLE 1

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

Item 4e - STR Results

2ARHMP	GlobalFiler™ (STRmix)					
	10,11,15,16	22,23,24,25	10,11,13,14	14,15,16	10,11,12	
	4e 7,8,10,11,12	8,11,12,13	11,12,13,14,15	17,18,21	8,10,11,12	9,11,12,13
	10,12,13,14,15,16	14,14.2,16,17.2	27,28,29,30	11,15,16,17	X,Y	10,11,12
	19,22,23,24			20,21,23.2,24.2,27.2,28.2,29.2,30.2	6,7,9	8,11
	17,18	10			2	
2MQQ3H	PowerPlex® Fusion 5C					
	11,16	22,[23],25	11,14	15,16	11,12	
	4e 8,11,[12]	[8],11,13	[12],14,15	18,[21]	8,[11],[12]	9,[11],13
	[10],[12],14,16	[14],14.2,16,[17.2]	28,30	[11],15,16,[17]	X,[Y]	10,12
	[19],[22],24	12,[13],14	[5],[7],11		6,7,[9]	[8],11
	18,18	10				
2WLM9U	GlobalFiler™ (STRmix)					
	11,16	22,23,25	11,14	15,16	11,12	
	4e 8,11,12	8,11,13	12,14,15	18,21	8,11,12	9,11,13
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y	10,12
	19,22,24			21,24.2,28.2,30.2	6,7,9	8,11
	18	10			2	
3A287R	GlobalFiler™ (STRMIX)					
	11,16	22,23,25	11,14	15,16	11,12	
	4e 8,11,12	8,11,13	12,14,15	18,21	8,11,12	9,11,13
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y	10,12
	19,22,24			21,24.2,28.2,30.2	6,7,9	8,11
	18	10			2	
3NHZUY	NGM SElect					
	11,16	22,23,25	11,14	15,16		
	4e 8,11,12	8,11,13	12,14,15	18,21		9,11,13
	10,12,14,16	14,14.2,16,(16.2),17.2	28,30	11,15,16,17	X,Y	
	19,22,24			21,24.2,28.2,30.2	6,7,9	
	18,18					
3UUVRG	Investigator® 24plex (STRmix version 2.5.11)					
	11,16	22,23,25	11,14	15,16	11,12	
	4e 8,11,12	8,11,13	12,14,15	18,21	8,11,12	9,11,13
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y	10,12
	19,22,24			21,24.2,28.2,30.2	6,7,9	8,11
	18	10				
44A8JK	GlobalFiler™ (TrueAllele)					
	11,16	22,23,25	11,14	15,16	11,12	
	4e 8,11,12	8,11,13	12,14,15	18,21	8,11,12	9,11,13
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y	10,12
	19,22,24			21,24.2,28.2,30.2	6,7,9	8,11
	18	10			2	

TABLE 1

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

Item 4e - STR Results

46QFD7	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17,18	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
4AJFUM	PowerPlex® Fusion 5C				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11		6,7,9
	18	10			8,11
4BV6YK	GlobalFiler™ (TrueAllele: VUler Release 2022b)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18,18	10			2
4C7UHW	PowerPlex® Fusion 5C				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,[12]	8,11,13	[12],14,15	18,[21]	8,[11],12
	10,12,14,16	14,14.2,16,17.2	[28],30	11,15,16,17	X,[Y]
	[19,22],24	12,[13],14	[5,7],11		6,7,[9]
	18	10			[8],11
4PT7NE	Investigator® 24plex (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			8,11
4Y3NAJ	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	N/A	N/A	21,24.2,28.2,30.2	6,7,9
	18	10	N/A	N/A	2
4ZCLVN	GlobalFiler™ (STRmix)				
4e	10,11,15,16	22,23,24,25	10,11,13,14	14,15,16	10,11,12
	8,10,11,12	8,11,12,13	12,14,15	17,18,21	8,11,12
	10,12,14,15,16	13.2,14,14.2,16,17.2	28,29,30	11,14,15,16,17	X,Y
	19,21,22,23,24			20,21,23.2,24.2,28.2,29.2,30.2	6,7,9
	17,18	10			2

TABLE 1

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

Item 4e - STR Results

4ZRWDT	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
64AJJL	GlobalFiler™ (STRmix)				
4e	10,11,15,16	21,22,23,24,25	10,11,13,14	14,15,16	10,11,12
	8,10,11,12	8,10,11,12,13	12,13,14,15	17,18,21	7,8,11,12
	10,12,13,14,15,16	14,14.2,16,17.2	27,28,29,30	11,14,15,16,17	X,Y
	19,21,22,23,24			20,21,24.2,28.2,29.2,30.2	6,7,9
	17,18	10			2
68Q2MN	PowerPlex® Fusion 6C (STRmix V2.5.11)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9
	18	10	19	17	
6DVMT7	GlobalFiler™ (STRmix)				
4e	11,16	22,23,24,25	11,14	15,16	11,12
	8,9,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
6JYL4V	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
6JYT3G	Investigator® 24plex QS				
4e	11,16	22,[23],25	11,14	15,16	11,12
	8,11,[12]	[8],11,13	[12],14,15	18,[21]	8,[11],12
	[10],[12],14,16	[14],14.2,16,[17.2]	28,30	[11],15,16,[17]	X,[Y]
	[19],[22],24	N/A	N/A	21,[24.2],[28.2],30.2	6,7,[9]
	18	10	N/A	N/A	N/A
6MGWVF	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,[12]	8,11,13	[12],14,15	18,[21]	8,[11],12
	10,12,14,16	[14],14.2,16,[17.2]	28,30	11,15,16,17	X,[Y]
	[19],[22],24	N/A	N/A	21,24.2,28.2,30.2	6,7,[9]
	18,18	10	N/A	N/A	2

TABLE 1

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

Item 4e - STR Results

6MYXZV	GlobalFiler™				
	11,16	22,[23],25	11,14	15,16	11,12
4e	8,11,[12]	[8],11,13	[12],14,15	18,[21]	8,[11],12
	[10],[12],14,16	[14],14.2,16,[17.2]	28,30	11,15,16,17	X,[Y]
	[19],[22],24			21,[24.2],[28.2],30.2	6,7,[9]
	18	[10]			[8],11
					[2]
6QPUVG	PowerPlex® ESI 17 Fast, GlobalFiler™				
	11,16	22,[23],25	11,14	15,16	11,12
4e	8,11,[12]	[8],11,13	[12],14,15	18,[21]	8,[11],12
	[10],[12],14,16	[14],14.2,16,[17.2]	28,30	[11],15,16,[17]	X,[Y]
	[19],[22],24			21,[24.2],[28.2],30.2	6,7,[9]
	18	[10]			[8],11
					[2]
6RJMNE	GlobalFiler™				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			8,11
					2
6YFHJR	GlobalFiler™				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			8,11
					2
6ZCZLT	GlobalFiler™				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			8,11
					2
76JVWG	GlobalFiler™				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18,18	10			8,11
					2
778HBP	GlobalFiler™ (STRmix)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			8,11
					2

TABLE 1

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

Item 4e - STR Results

7GUG4F	PowerPlex® Fusion				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	6,7,9	8,11
	18	10			
7KUPBC	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10		2	8,11
7MY6XG	Investigator® 24plex QS, 27FlexPlex				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			8,11
7YAP6G	PowerPlex® Fusion 6C				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9
	18	10	19	17	8,11
7Z698H	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10		2	8,11
82XJHB	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10		2	8,11
83VRRF	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	N/A	N/A	21,24.2,28.2,30.2	6,7,9
	18	10	N/A	N/A	2

TABLE 1

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

Item 4e - STR Results

84ZGQJ	PowerPlex® Fusion				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	6,7,9	8,11
	18	10			
86XPZN	PowerPlex® Fusion 6C				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9
	18	10	19	17	
8FDNHC	Investigator® 24plex				
4e	11,16	22,[23],25	11,14	15,16	11,12
	8,11,[12]	[8],11,13	[12],14,15	18,[21]	8,[11],12
	10,12,14,16	[14],14.2,16,[17.2]	28,30	[11],15,16,[17]	X,[Y]
	[19],[22],24			21,[24.2],[28.2],30.2	6,7,[9]
	18,18	10			[8],11
8GVEGA	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18,18	10		2	
8KMWUF	PowerPlex® Fusion 6C				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9
	18	10	19	17	
8L6LKM	PowerPlex® Fusion 6C				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9
	18	10	19	17	
8PF2MJ	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10		2	

TABLE 1

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

Item 4e - STR Results

8QRKMF	GlobalFiler™ (Genemapper ID-x)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
8R3MAE	GlobalFiler™ (Genemapper ID-x)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
8XWFPN	GlobalFiler™ (STRmix)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
972U3A	GlobalFiler™				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
9998PH	GlobalFiler™ (STRmix)				
	11,15,16	21,22,23,24,25	10,11,13,14	14,15,16	10,11,12
4e	8,11,12	8,11,12,13	12,13,14,15	17,18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,29,30	11,15,16,17	X,Y
	19,22,23,24			20,21,24.2,28.2,29.2,30.2	6,7,9
	17,18	10			2
9PG34B	Investigator® 24plex (STRmix)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
9TYD2F	GlobalFiler™ (STRmix)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2

TABLE 1

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

Item 4e - STR Results

9VHHPC	ESI-17Fast				
4e	11,16	22,23,25	11,14	15,16	
		8,11,13	12,14,15	18	9,11,13
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18				
A8WRVG	GlobalFiler™ (STRmix)				
4e	11,15,16	22,23,24,25	11,13,14	14,15,16	10,11,12
	8,10,11,12	8,11,12,13	12,14,15	18,21	8,11,12
	10,12,14,16	13.2,14,14.2,15,16,17.2	28,30	11,15,16,17	X,Y
	19,21,22,23,24			21,24.2,28.2,29.2,30.2	6,7,9
	17,18	10		2	8,11
AJ334P	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	--	--	21,24.2,28.2,30.2	6,7,9
	18	10	--	2	8,11
AJNBFE	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10		2	8,11
AV444N	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10		2	8,11
AYF9GA	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18,18	10		2	8,11
B3XVPM	GlobalFiler™ (STRmix)				
4e	11,16	22,[23],25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10		2	8,11

TABLE 1

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

Item 4e - STR Results

B94LUE	PowerPlex® Fusion 5C				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	6,7,9	8,11
	18	10			
BF34BC	GlobalFiler™				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	N/A	N/A	21,24.2,28.2,30.2	6,7,9
	18	10	N/A	N/A	2
BGENFE	PowerPlex® Fusion				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	6,7,9	8,11
	18	10			
BJKBTJ	GlobalFiler™ (STRmix)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
BKALJC	PowerPlex® Fusion 6C (STRmix 2.9)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9
	18	10	19	17	
BNE6QK	GlobalFiler™ (STRmix)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
C2HN8C	GlobalFiler™				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	NA	NA	21,24.2,28.2,30.2	6,7,9
	18	10	NA	NA	2

TABLE 1

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

Item 4e - STR Results

CE7VZ8	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
CJ3F7C	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	NA	NA	21,24.2,28.2,30.2	6,7,9
	18	10	NA	NA	2
CXJFWB	GlobalFiler™				
4e	11,16	22,[23],25	11,14	15,16	11,12
	8,11,[12]	[8],11,13	[12],14,15	18,18,[21]	8,[11],12
	[10],[12],14,16	[14],14.2,16,[17.2]	28,30	[11],15,16,[17]	X,X,[Y]
	[19],[22],24,24			21,[24.2],[28.2],30.2	6,7,[9]
	18,18	[10]			[2]
CZPXV7	GlobalFiler™ (STRmix v2.11)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
D4L7E7	NGM SE				
4e	11,16	22,23,25	11,14	15,16	
		8,11,13	12,14,15	18,21	9,11,13
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18				
D8GUVB	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17,18	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
DA72FB	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2

TABLE 1

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

Item 4e - STR Results

DCAYMW	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12,13
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17,18	X,Y
	19,22,24			21,24.2,28,28.2,30,30.2	6,7,9
	18	10			2
DEXFW6	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
DLYML7	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
DPLZPH	PowerPlex® Fusion 6C				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9
	18	10	19	17	
DTJN2H	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
E2AQJK	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
E6UF84	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2

TABLE 1

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

Item 4e - STR Results

ECUWHA	GlobalFiler™ (STRmix)				
	11,16,17	22,23,25	11,14	15,16,17	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24,25			21,24.2,28.2,30.2	6,7,9
	18	10			2
EJPZJL	PowerPlex® Fusion 5C				
	11,16	22,[23],25	11,14	15,16	11,12
4e	8,11,[12]	[8],11,13	[12],14,15	18,[21]	8,[11],12
	[10],[12],14,16	[14],14.2,16,[17.2]	28,30	[11],15,16,[17]	X,[Y]
	[19],[22],24	12,[13],14	[5],[7],11		6,7,[9]
	18	10			[8],11
EMAP86	GlobalFiler™ (STRmix)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
EN4FCX	GlobalFiler™ (STRmix)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,16.2,17.2	28,30	11,15,16,17,18	X,Y
	19,22,24			21,24,24.2,28,28.2,30.2	6,7,9
	18	10			2
ENMFWF	Investigator® 24plex QS (STRmix)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			8,11
EPDRM9	GlobalFiler™				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
EWXHHF	Investigator® 24plex QS (STRMix)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			8,11

TABLE 1

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

Item 4e - STR Results

FCPZL6	GlobalFiler™				
	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
4e	18	10			2
	ESI-17 FAST				
	11,16	22,23,25	11,14	15,16	
	8,11,12	8,11,13	12,14,15	18,21	9,11,13
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
FHUNF6	19,22,24			21,24.2,28.2,30.2	6,7,9
	18				
	GlobalFiler™ (STRmix)				
	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
4e	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
	GlobalFiler™ (STRmix)				
	11,15,16	22,23,24,25	10,11,13,14	14,15,16	11,12
FP9LPB	8,11,12	8,11,12,13	12,14,15	18,21	8,11,12
	10,12,14,16	13.2,14,14.2,16,17.2	28,29,30	11,15,16,17	X,Y
	19,21,22,23,24			20,21,24.2,28.2,29.2,30.2	6,7,9
	17,18	10			2
	GlobalFiler™				
FQQE6M	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
FU69M6	GlobalFiler™				
	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
FWE4J6	18	10			2
	GlobalFiler™				
	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
4e	19,22,24			21,24.2,28.2,30.2	6,7,9
	18,18	10			2

TABLE 1

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

Item 4e - STR Results

FYLCUB	PowerPlex® Fusion				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	6,7,9	8,11
	18	10			
FZAXG7	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
FZDEE6	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18,18	10			2
G48V64	ESI-17 FAST				
4e	11,16	22,23,25	11,14	15,16	
		8,11,13	14,15	18,[21]	9,11,13
	10,12,14,16	14,14.2,16,17.2	28,30	[11],15,16,17	X,Y
	19,22,24			21,[24.2],[25.2],[28.2],30.2	6,7,9
	18				
G4QU79	PowerPlex® Fusion				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	6,7,9	8,11
	18	10			
G86GV7	PowerPlex® Fusion 5C (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,[12]	[8],11,13	[12],14,15	18,[21]	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	[11],15,16,[17]	X,[Y]
	[19],[22],24	12,13,14	[5],[7],11	6,7,9	8,11
	18	[10]			
GAECL6	GlobalFiler™				
4e	11,16	22,[23],25	11,14	15,16	11,[12]
	8,11,[12]	[8],11,13	[12],14,15	18,18,[21]	8,[11],12
	[10],[12],14,16	[14],14.2,16,[17.2]	[28],30	11,15,16,17	X,X,[Y]
	[19],[22],24,24			21,[24.2],[28.2],30.2	6,7,[9]
	18,18	[10]			[2]

TABLE 1

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

Item 4e - STR Results

GGXK7V	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17,18	X,Y
	19,22,24			21,24.2,25.2,28.2,30.2	6,7,9
	18	10			2
GHPE87	GlobalFiler™				
4e	11,16	22,[23],25	11,14	15,16	11,12
	8,11,[12]	[8],11,13	[12],14,15	18,18,[21]	8,[11],12
	[10],[12],14,16	[14],14.2,16,[17.2]	[28],30	[11],15,16,[17]	X,X,[Y]
	[19],[22],24,24			21,[24.2],[28.2],30.2	6,7,[9]
	18,18	[10]			[2]
GL7489	PowerPlex® Fusion 5C				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11		6,7,9
	18	10			8,11
GM4CGD	PowerPlex® Fusion 6C				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9
	18	10	19	17	8,11
GRWDG8	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
H6XAEY	Investigator® 24plex QS				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18,18	10			8,11
H8MHKU	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12,13	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17,18	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2

TABLE 1

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

Item 4e - STR Results

HBNLCG	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
HFMVP4	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18,18	10			2
HHJNC8	PowerPlex® 5C				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11		6,7,9
	18	10			8,11
HJF8D9	GlobalFiler™ (STRmix)				
4e	10,11,15,16	21,22,23,24,25	10,11,13,14	14,15,16	10,11,12
	8,10,11,12	8,11,12,13	11,12,13,14,15	17,18,21	8,11,12
	10,12,14,15,16	13.2,14,14.2,15,16,16.2,17.2	28,29,30	11,15,16,17	X,Y
	19,21,22,23,24			20,21,23.2,24.2,27.2,28.2,29.2,30.2	6,7,9
	17,18	10			8,11
J4J6G2	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			8,11
JHJ43D	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			8,11

TABLE 1

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

Item 4e - STR Results

JLHM2Q	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,9,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17,18	X,Y
	19,22,24			20.2,21,24.2,27.2,28.2,30.2	6,7,9
	18	10			2
JMFMA3	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	N/A	N/A	21,24.2,28.2,30.2	6,7,9
	18	10	N/A	N/A	2
K97JA2	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
KA7CCF	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
KBGCE2	PowerPlex® Fusion				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11		6,7,9
	18	10			
KCA69Y	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
KD7MAZ	GlobalFiler™				
4e	11,16	22,[23],25	11,14	15,16	11,[12]
	8,11,[12]	[8],11,13	[12],14,15	18,[21]	8,[11],12
	[10],[12],14,16	[14],14.2,16,[17.2]	28,30	[11],15,16,[17]	X,[Y]
	[19],[22],24			21,[24.2],[28.2],30.2	6,7,[9]
	18,18	10			2

TABLE 1

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

Item 4e - STR Results

KEFRL4	GlobalFiler™ (STRmix)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
KK68AB	GlobalFiler™ (STRmix)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
KN87PA	PowerPlex® Fusion 6C				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9
	18	10	19	17	
KTU386	GlobalFiler™ (STRmix)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
KUCRT7	GlobalFiler™ (STRmix)				
	11,16	22,23,24,25	10,11,14	15,16	11,12
4e	8,10,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,16.2,17.2	28,29,30	11,15,16,17	X,Y
	19,22,23,24			21,24.2,28.2,30.2	6,7,9
	17,18	10			2
KWH8BA	PowerPlex® Fusion 6C				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9
	18	10	19	17	
KZUF89	GlobalFiler™ (STRmix)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2

TABLE 1

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

Item 4e - STR Results

L2KXNZ	GlobalFiler™				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
L32UGZ	GlobalFiler™				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
LD3KVF	GlobalFiler™				
	11,16	22,23,25	11,14	15,16	11,[12]
4e	8,11,[12]	[8],11,13	[12],14,15	18,[21]	8,[11],12
	[10],[12],14,16	[14],14.2,16,[17.2]	[28],30	[11],15,16,[17]	X,[Y]
	[19],[22],24			21,[24.2],[28.2],30.2	6,7,[9]
	18	10			2
LFPYJP	GlobalFiler™ (STRmix)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17,18	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
LKJZL4	GlobalFiler™ (STRmix)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
LTBEMP	GlobalFiler™ (STRmix)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17,18	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
LVYVWX	GlobalFiler™				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2

TABLE 1

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

Item 4e - STR Results

LWAPJP	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17,18	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
M62KXY	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
MBP64Z	PowerPlex® Fusion 5C				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11		6,7,9
	18	10			8,11
MT87X3	PowerPlex® Fusion				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11		6,7,9
	18	10			8,11
MT949X					
4e	11,16	[22],[23],25	11,14	15,16	11,[12]
	8,11,[12]	[8],11,13	[12],14,15	18,[21]	8,[11],12
	[10],[12],14,16	[14],14.2,16,[17.2]	28,30	15,16,[17]	X,[Y]
	[19],[22],24			21,[24.2],[28.2],30.2	6,7,[9]
	18,18	10			[8],11
MTNHG8	PowerPlex® Fusion 6C				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9
	18	10	19	17	8,11
N2WGL3	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			8,11

TABLE 1

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

Item 4e - STR Results

NBK87A	GlobalFiler™				
	11,16	22,23,25	11,14	15,16	11,12,13
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
NBZGXW	GlobalFiler™				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,[21]	8,11,12
	10,12,14,16	14,14.2,16,17.2	[28],30	11,15,16,17	X,[Y]
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18,18	10			2
NDC7K8	GlobalFiler™ (STRmix)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
NEKJ2A	GlobalFiler™ (STRmix 2.7)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
NEPVP7	PowerPlex® Fusion 6C				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9
	18	10	19	17	
NKUGVN	GlobalFiler™ (STRmix)				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,9,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17,18	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
NRRBMU	GlobalFiler™				
	11,16	22,23,25	11,14	15,16	11,12
4e	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2

TABLE 1

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

Item 4e - STR Results

NTJCQW	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
NTQA73	PowerPlex® Fusion 5C				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11		6,7,9
	18	10			
NUEVTX	Investigator® 24plex QS				
4e	11,16	22,[23],25	11,14	15,16	11,12
	8,11,[12]	[8],11,13	[12],14,15	18,[21]	8,[11],12
	[10],[12],14,16	[14],14.2,16,[17.2]	28,30	[11],15,16,[17]	X
	[19],[22],24	n/a	n/a	21,[24.2],[28.2],30.2	6,7
	18	[10]	n/a	n/a	n/a
NW66Q7	PowerPlex® Fusion 6C				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9
	18	10	19	17	
NW6A29	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
P9XTGY	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
PCW4DY	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2

TABLE 1

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

Item 4e - STR Results

PK6X68	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
PPK9KV	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
Q9R2Z3	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
QHEYR9	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
QY43AX	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
R4TWQV	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	N/A	N/A	21,24.2,28.2,30.2	6,7,9
	18	10	N/A	N/A	2
R9B494	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2

TABLE 1

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

Item 4e - STR Results

RDZNAX Identifiler®

4e

REAQVW GlobalFiler™

11,16	22,23,25	11,14	15,16	11,12	
8,11,12	8,11,13	12,14,15	18,21	8,11,12	9,11,13
10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y	10,12
19,22,24			21,24.2,28.2,30.2	6,7,9	8,11
18,18	10			2	

RF79XX GlobalFiler™

11,16	22,25	11,14	15,16	11,12	
8,11	11,13	14,15	18,18	8,12	9,13
14,16	14.2,16	28,30	15,16	X,X	10,12
24,24			21,30.2	6,7	11,11
18,18					

RFNCA6 GlobalFiler™

11,16	22,23,25	11,14	15,16	11,12	
8,11,12	8,11,13	12,14,15	18,21	8,11,12	9,11,13
10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y	10,12
19,22,24			21,24.2,28.2,30.2	6,7,9	8,11
18	10			2	

RJ6LEW GlobalFiler™ IQC

11,16	22,(23),25	11,14	15,16	11,12	
8,11,(12)	(8),11,13	(12),14,15	18,(21)	8,(11),12	9,(11),13
(10,12),14,16	(14),14.2,16,(17.2)	28,30	(11),15,16,(17)	X,(Y)	10,12
(19,22),24			21,(24.2,28.2),30.2	6,7,(9)	(8),11
18,18	10			2	

RN4RH3 PowerPlex® Fusion 6C (STRmix)

11,16	22,23,25	11,14	15,16	11,12	
8,11,12	8,11,13	12,14,15	18,21	8,11,12	9,11,13
10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y	10,12
19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9	8,11
18	10	19	17		

RNYEV7 GlobalFiler™

11,16	22,23,25	11,14	15,16	11,12	
8,11,12	8,11,13	12,14,15	18,21	8,11,12	9,11,13
10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y	10,12
19,22,24			21,24.2,28.2,30.2	6,7,9	8,11
18	10			2	

TABLE 1

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

Item 4e - STR Results

RQ8RC8	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
RRFNZW	PowerPlex® Fusion 6C (STRmix v2.9)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9
	18	10	19	17	
RVMZ3R	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
RX7BE3	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
T3FRNR	GlobalFiler™				
4e	11,16	22,[23],25	11,14	15,16	11,12
	8,11,[12]	[8],11,13	[12],14,15	18,[21]	8,[11],12
	[10],[12],14,16	[14],14.2,16,[17.2]	28,30	[11],15,16,[17]	X,[Y]
	[19],[22],24			21,[24.2],[28.2],30.2	6,7,[9]
	18,18	10			2
TDY47V	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	N/A	N/A	21,24.2,28.2,30.2	6,7,9
	18	10	N/A	N/A	2
TJ3AGR	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2

TABLE 1

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

Item 4e - STR Results

TMJCNX	PowerPlex® Fusion				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	6,7,9	8,11
	18	10			
TP8XBT	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10		2	8,11
TTQ3PH	GlobalFiler™ (strmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,16.2,17.2	28,30	11,15,16,17,18	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10		2	8,11
ULLGHZ	PowerPlex® Fusion 6C				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9
	18,18	10	19	17	8,11
UPKXQN	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10		2	8,11
UQENVG	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,16.2,17.2	28,30	11,15,16,17,18	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10		2	8,11

TABLE 1

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

Item 4e - STR Results

UT9CFX	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17,18	X,Y
	19,22,24			21,24.2,27.2,28.2,30.2	6,7,9
	18	10			2
UXZQVR	Investigator® 24plex QS				
4e	11,16	22,[23],25	11,14	15,16	11,12
	8,11,[12]	[8],11,13	[12],14,15	18	8,[11],12
	[10],[12],14,16	[14],14.2,16,[17.2]	28,30	[11],15,16,[17]	X
	[19],[22],24	N/A	N/A	21,[24.2],[28.2],30.2	6,7,[9]
	18	[10]	N/A	N/A	N/A
V8GP7U	PowerPlex® Fusion 6C (GENEMAPPER ID-X V1.5)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,11	21,24.2,28.2,30.2	6,7,9
	18	10	19	17	
VK6WYP	GlobalFiler™				
4e	11,16	22,[23],25	11,14	15,16	11,12
	8,11,[12]	[8],11,13	[12],14,15	18,[21]	8,[11],12
	[10],[12],14,16	[14],14.2,16,[17.2]	28,30	[11],15,16,[17]	X,[Y]
	[19],[22],24			21,[24.2],[28.2],30.2	6,7,[9]
	18,18	10			2
VTZR3E	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17,18	X,Y
	19,22,24			21,22,24.2,28,28.2,30.2	6,7,9
	18	10			2
VUBWF3	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
VUYTBR	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	N/A	N/A	21,24.2,28.2,30.2	6,7,9
	18	10	N/A	N/A	2

TABLE 1

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

Item 4e - STR Results

VYQ67N	GlobalFiler™ (STRmix on the non-sperm fraction)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18,18	10			2
W773A2	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
W7VQ8P	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
WKPPJY	GlobalFiler™ (STRMIX)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
WN6FKN	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
WUA4EN	PowerPlex® ESI-17 Fast				
4e	11,16	22,23,25	11,14	15,16	
		8,11,13	12,14,15	18,21	9,11,13
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18				
WVJ76U	GlobalFiler™ (STRmix)				
4e	10,11,15,16	22,23,24,25	10,11,13,14	14,15,16	10,11,12
	8,10,11,12	8,10,11,12,13	12,14,15	17,18,21	8,11,12
	10,12,13,14,16	14,14.2,16,17.2	28,29,30	11,15,16,17	X,Y
	19,22,23,24			20,21,24.2,28.2,29.2,30.2	6,7,9
	17,18	10			2

TABLE 1

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

Item 4e - STR Results

X4B7VR	GlobalFiler™ (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
X9PGD2	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	--	--	21,24.2,28.2,30.2	6,7,9
	18	10	--	--	2
XAFX9V	PowerPlex® Fusion 6C (STRmix V.2.5.11)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9
	18	10	19	17	
XDM366	GlobalFiler™				
4e	11,16	22,[23],25	11,14	15,16	11,12
	8,11,[12]	[8],11,13	[12],14,15	18,[21]	8,[11],12
	[10],[12],14,16	[14],14.2,16,[17.2]	28,30	[11],15,16,[17]	X,[Y]
	[19],[22],24			21,[24.2],[28.2],30.2	6,7,[9]
	18	10			2
XPRF2V	Investigator® 24plex QS (STRmix)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			
XWCLPP	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18,18	10,F			2,F
YECNDL	GlobalFiler™				
4e	11,16	22,[23],25	11,14	15,16	11,12
	8,11,[12]	[8],11,13	[12],14,15	18,[21]	8,[11],12
	[10],[12],14,16	[14],14.2,16,[17.2]	28,30	[11],15,16,[17]	X,[Y]
	[19],[22],24			21,[24.2],[28.2],30.2	6,7,[9]
	18,18	10			2

TABLE 1

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

Item 4e - STR Results

YM3AED	GlobalFiler™					
	11,16	22,23,25	11,14	15,16	11,12	
	4e 8,11,12	8,11,13	12,14,15	18,21	8,11,12	9,11,13
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y	10,12
	19,22,24			21,24.2,28.2,30.2	6,7,9	8,11
	18	10			2	
YWUP8N	GlobalFiler™					
	11,16	22,23,25	11,14	15,16	11,12	
	4e 8,11,12	8,11,13	12,14,15	18,21	8,11,12	9,11,13
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y	10,12
	19,22,24			21,24.2,28.2,30.2	6,7,9	8,11
	18	10			2	
Z9H8FL	PowerPlex® 21 (STRmix)					
	11,16	22,23,25		15,16	11,12	12,13,16
	4e 8,11,12	8,11,13		18,21	8,11,12	9,11,13
	10,12,14,16	14,14.2,16,17.2	28,30		X,Y	10,12
	19,22,24	12,13,14	5,7,11		6,7,9	8,11
	18,18					
ZM22PQ	PowerPlex® Fusion					
	11,16	22,23,25	11,14	15,16	11,12	
	4e 8,11,12	8,11,13	12,14,15	18,21	8,11,12	9,11,13
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y	10,12
	19,22,24	12,13,14	5,7,11		6,7,9	8,11
	18	10				
ZNWAZV	PowerPlex® Fusion 6C					
	11,16	22,23,25	11,14	15,16	11,12	
	4e 8,11,12	8,11,13	12,14,15	18,21	8,11,12	9,11,13
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y	10,12
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9	8,11
	18	10	19	17		
ZPMFEZ	GlobalFiler™					
	11,16	22,23,25	11,14	15,16	11,12	
	4e 8,11,12	8,11,13	12,14,15	18,21	8,11,12	9,11,13
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y	10,12
	19,22,24			21,24.2,28.2,30.2	6,7,9	8,11
	18	10			2	
ZRVX9P	PowerPlex® Fusion (DNAxs)					
	11,16	22,23,25	11,14	15,16	11,12	
	4e 8,11,12	8,11,13	12,14,15	18,21	8,11,12	9,11,13
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y	10,12
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9	8,11
	18	10	19	17		

TABLE 1

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

Item 4e - STR Results

ZT7RUH	GlobalFiler™				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24			21,24.2,28.2,30.2	6,7,9
	18	10			2
ZVU6XU	PowerPlex® Fusion 6C (STRmix V2.5.11)				
4e	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,16,17.2	28,30	11,15,16,17	X,Y
	19,22,24	12,13,14	5,7,11	21,24.2,28.2,30.2	6,7,9
	18	10	19	17	

TABLE 1

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

Item 4sp - STR Results

2ARHMP	GlobalFiler™ (STRmix)				
	10,11,15,16	22,23,24,25	10,11,13,14	14,15,16	10,11,12
4sp	10,11,12	8,12,13	11,12,14,15	17,18,20,21	7,8,10,11
	9,10,11,12	13,14,16.2,17.2	29,30	11,12,16,17,18	X,Y
	18,19,21,22			23.2,24.2,27.2,28.2	6,9
	17,18	10			7,8
					2
2MQQ3H	PowerPlex® Fusion 5C				
	11,16	23,25	11,14	15,16	11,11
4sp	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22	12,13	5,7		6,9
	18,18	10			8,8
2WLM9U	GlobalFiler™ (STRmix)				
	11,16	23,25	11,14	15,16	11
4sp	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			8
					2
3A287R	GlobalFiler™ (STRMIX)				
	11,16	23,25	11,14	15,16	11
4sp	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			8
					2
3NHZUY	NGM SElect				
	11,16	23,25	11,14	15,16	
4sp		8,13	12,15	18,21	11,13
	10,12	14,(16.2),17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18				
3UUVRG	Investigator® 24plex (STRmix version 2.5.11)				
	11,16	23,25	11,14	15,16	11,11
4sp	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			8,8
44A8JK	GlobalFiler™ (TrueAllele)				
	11,16	23,25	11,14	15,16	11
4sp	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			8
					2

TABLE 1

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

Item 4sp - STR Results

46QFD7	GlobalFiler™ (STRmix)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11,12
	10,12	14,17.2	30	11,17,18	X,Y
	19,22			24.2,25.2,28.2	6,9
	18	10			2
4AJFUM	PowerPlex® Fusion 5C				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22	12,13	5,7		6,9
	18	10			8
4BV6YK	GlobalFiler™ (TrueAllele: VUler Release 2022b)				
4sp	11,16	22,23,25	11,14	15,16	11,12
	8,11,12	8,11,13	12,14,15	18,21	8,11,12
	10,12,14,16	14,14.2,17.2	28,30	11,15,16,17	X,Y
	19,22,24			24.2,28.2,30.2	6,7,9
	18,18	10			2
4C7UHW	PowerPlex® Fusion 5C				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22	12,13	5,7		6,9
	18	10			8
4PT7NE	Investigator® 24plex (STRmix)				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			8,8
4Y3NAJ	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22	N/A	N/A	24.2,28.2	6,9
	18,18	10	N/A	N/A	2
4ZCLVN	GlobalFiler™ (STRmix)				
4sp	11,15,16	23,25	10,11,13,14	14,15,16	10,11
	11,12	8,12,13	11,12,14,15	18,21	8,10,11
	10,12	13,14,16.2,17.2	29,30	11,16,17	X,Y
	18,19,21,22,23			23.2,24.2,27.2,28.2	6,9
	17,18	10			2

TABLE 1

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

Item 4sp - STR Results

4ZRWDT	GlobalFiler™					
4sp		11,16	23,25	11,14	15,16	11
		11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30	11,17	X,Y
		19,22			24.2,28.2	6,9
		18	10			2
64AJJL	GlobalFiler™ (STRmix)					
4sp		10,11,15,16	22,23,24,25	10,11,13,14	14,15,16	10,11
		10,11,12	7,8,12,13	11,12,14,15	17,18,20,21	7,8,10,11
		9,10,11,12	13,14,16.2,17.2	29,30	11,16,17,18	X,Y
		18,19,21,22			23.2,24.2,25.2,27.2,28.2	6,9
		17,18	10			2
68Q2MN	PowerPlex® Fusion 6C (STRmix V2.5.11)					
4sp		11,16	23,25	11,14	15,16	11,11
		11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30,30	11,17	X,Y
		19,22	12,13	5,7	24.2,28.2	6,9
		18,18	10	19	17	8,8
6DVMT7	GlobalFiler™ (STRmix)					
4sp		11,16	23,25	11,14	15,16	11
		11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30	11,17,18	X,Y
		19,22			24.2,28.2	6,9
		18	10			2
6JYL4V	GlobalFiler™					
4sp		11,16	23,25	11,14	15,16	11
		11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30	11,17	X,Y
		19,22			24.2,28.2	6,9
		18	10			2
6JYT3G	Investigator® 24plex QS					
4sp		11,16	[22],23,25	11,14	15,16	11,11
		8,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30,30	11,17	X,Y
		19,22	N/A	N/A	24.2,28.2	6,9
		18,18	10	N/A	N/A	N/A
6MGWVF	GlobalFiler™					
4sp		11,16	23,25	11,14	15,16	11,11
		11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30,30	11,17	X,Y
		19,22	N/A	N/A	24.2,28.2	6,9
		18,18	10	N/A	N/A	2

TABLE 1

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

Item 4sp - STR Results

6MYXZV	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
6QPUVG	PowerPlex® ESI 17 Fast, GlobalFiler™				
4sp	11,16	[22],23,25	11,14	15,16	11,[12]
	[8],11,12	8,[11],13	12,[14],15	18,21	8,11,[12]
	10,12,[14],[16]	14,[14.2],[16],17.2	[28],30	11,[15],[16],17	X,Y
	19,22,[24]			[21],24.2,28.2,[30.2]	6,[7],9
	18	10			2
6RJMNE	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
6YFHJR	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
6ZCZLT	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
76JVWG	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			2
778HBP	GlobalFiler™ (STRmix)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2

TABLE 1

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

Item 4sp - STR Results

7GUG4F	PowerPlex® Fusion				
4sp	11,16	[22],23,25	11,14	15,16	11
	11,12	8,13	12,[14],15	18,21	8,11
	10,12	14,[14.2],17.2	30	11,17	X,Y
	19,22,[24]	12,13,[14]	5,7,[11]	6,9	[10],12
	18	10			8
7KUPBC	GlobalFiler™ (STRmix)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			8
7MY6XG	Investigator® 24plex QS, 27FlexPlex				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22		INC	24.2,28.2	6,9
	18,18	10	19	17	8,8
7YAP6G	PowerPlex® Fusion 6C				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22	12,13	5,7	24.2,28.2	6,9
	18,18	10	19	17	8,8
7Z698H	GlobalFiler™ (STRmix)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			8
82XJHB	GlobalFiler™ (STRmix)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			8
83VRRF	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22	N/A	N/A	24.2,28.2	6,9
	18,18	10	N/A	N/A	8,8

TABLE 1

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

Item 4sp - STR Results

84ZGQJ	PowerPlex® Fusion				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22	12,13	5,7	6,9	8
	18	10			
86XPZN	PowerPlex® Fusion 6C				
	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22	12,13	5,7	24.2,28.2	6,9
	18,18	10	19	17	
8FDNHC	Investigator® 24plex				
	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			8,8
8GVEGA	GlobalFiler™				
	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			2
8KMWUF	PowerPlex® Fusion 6C				
	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22	12,13	5,7	24.2,28.2	6,9
	18,18	10	19	17	
8L6LKM	PowerPlex® Fusion 6C				
	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22	12,13	5,7	24.2,28.2	6,9
	18,18	10	19	17	
8PF2MJ	GlobalFiler™				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2

TABLE 1

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

Item 4sp - STR Results

8QRKMF	GlobalFiler™ (Genemapper ID-x)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
8R3MAE	GlobalFiler™ (Genemapper ID-x)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
8XWFPN	GlobalFiler™ (STRmix)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
972U3A	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
9998PH	GlobalFiler™ (STRmix)				
4sp	11,15,16	22,23,25	10,11,13,14	14,15,16	10,11
	10,11,12	8,12,13	11,12,14,15	18,21	8,10,11
	10,12	13,14,16.2,17.2	29,30	11,16,17	X,Y
	18,19,21,22			23.2,24.2,27.2,28.2	6,9
	17,18	10			2
9PG34B	Investigator® 24plex (STRmix)				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			8,8
9TYD2F	GlobalFiler™ (STRmix)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2

TABLE 1

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

Item 4sp - STR Results

9VHHPC	ESI-17Fast					
	11,16	23,25	11,14	15,16		
	4sp	8,13	12,15	18,21		11,13
	10,12	14,17.2	30,30	11,17	X,Y	
	19,22			24.2,28.2	6,9	
	18,18					
A8WRVG	GlobalFiler™ (STRmix)					
	11,16	23,25	10,11,13,14	15,16	10,11	
	4sp	11,12	8,13	12,15	18,21	8,11
	10,12	13,14,16.2,17.2	30	11,17	X,Y	12
	18,19,21,22			24.2,28.2	6,9	8
	17,18	10			2	
AJ334P	GlobalFiler™					
	11,16	23,25	11,14	15,16	11,11	--
	4sp	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y	12,12
	19,22	--	--	24.2,28.2	6,9	8,8
	18,18	10	--	--	2	
AJNBFE	GlobalFiler™ (STRmix)					
	11,16	23,25	11,14	15,16	11	
	4sp	11,12	8,13	12,15	18,21	8,11
	10,12	14,16.2,17.2	30	11,17	X,Y	12
	19,22			24.2,28.2	6,9	8
	18	10			2	
AV444N	GlobalFiler™ (STRmix)					
	11,16	23,25	11,14	15,16	11	
	4sp	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y	12
	19,22			24.2,28.2	6,9	8
	18	10			2	
AYF9GA	GlobalFiler™ (STRmix)					
	11,16	23,25	11,14	15,16	11	
	4sp	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y	12,12
	19,22			24.2,28.2	6,9	8,8
	18,18	10			2	
B3XVPM	GlobalFiler™ (STRmix)					
	11,16	23,25	11,14	15,16	11	
	4sp	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y	12
	19,22			24.2,28.2	6,9	8
	18	10			2	

TABLE 1

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

Item 4sp - STR Results

B94LUE	PowerPlex® Fusion 5C					
	11,16	23,25	11,14	15,16	11	
	11,12	8,13	12,15	18,21	8,11	11,13
	10,12	14,17.2	30	11,17	X,Y	12
	19,22	12,13	5,7		6,9	8
	18	10				
BF34BC	GlobalFiler™					
	11,16	23,25	11,14	15,16	11,11	N/A
	11,12	8,13	12,15	18,21	8,11	11,13
	10,12	14,17.2	30,30	11,17	X,Y	12,12
	19,22	N/A	N/A	24.2,28.2	6,9	8,8
	18,18	10	N/A	N/A	2	
BGENFE	PowerPlex® Fusion					
	11,16	23,25	11,14	15,16	11	
	11,12	8,13	12,15	18,21	8,11	11,13
	10,12	14,17.2	30	11,17	X,Y	12
	19,22	12,13	5,7		6,9	8
	18	10				
BJKBTJ	GlobalFiler™ (STRmix)					
	11,16	23,25	11,14	15,16	11,12	
	11,12	8,13	12,15	18,21	8,11,12	11,13
	10,12,16	14,17.2	30	11,17	X,Y	12
	19,22			24.2,28.2	6,9	8
	18	10			2	
BKALJC	PowerPlex® Fusion 6C (STRmix 2.9)					
	11,16	23,25	11,14	15,16	11	
	11,12	8,13	12,15	18,21	8,11	11,13
	10,12	14,17.2	30	11,17	X,Y	12
	19,22	12,13	5,7	24.2,28.2	6,9	8
	18	10	19	17		
BNE6QK	GlobalFiler™ (STRmix)					
	11,16	23,25	11,14	15,16	11	
	11,12	8,13	12,15	18,21	8,11	11,13
	10,12	14,17.2	30	11,17	X,Y	12
	19,22			24.2,28.2	6,9	8
	18	10			2	
C2HN8C	GlobalFiler™					
	11,16	23,25	11,14	15,16	11,12	NA
	8,11,12	8,11,13	12,14,15	18,21	8,11,12	9,11,13
	10,12,14,16	14,16,17.2	28,30	11,15,17	X,Y	10,12
	19,22,24	NA	NA	21,24.2,28.2,30.2	6,7,9	8,11
	18	10	NA	NA	2	

TABLE 1

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

Item 4sp - STR Results

CE7VZ8	GlobalFiler™ (STRmix)				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			2
CJ3F7C	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11
	8,11,12	8,11,13	12,15	18,21	8,11,12
	10,12,14,16	14,16,17.2	28,30	11,15,17	X,Y
	19,22,24	NA	NA	21,24.2,28.2,30.2	6,7,9
	18	10	NA	NA	2
CXJFWB	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			2
CZPXV7	GlobalFiler™ (STRmix v2.11)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
D4L7E7	NGM SE				
4sp	11,16	23,25	11,14	15,16	
		8,13	12,15	18,21	9,11,13
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18				
D8GUVB	GlobalFiler™ (STRmix)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,16.2,17.2	30	11,17,18	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
DA72FB	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2

TABLE 1

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

Item 4sp - STR Results

DCAYMW	GlobalFiler™ (STRmix)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11,12
	10,12	14,17.2	30	11,17,18	X,Y
	19,22			24.2,25.2,28.2	6,9
	18	10			2
DEXFW6	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
DLYML7	GlobalFiler™ (STRmix)				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			2
DPLZPH	PowerPlex® Fusion 6C				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22	12,13	5,7	24.2,28.2	6,9
	18,18	10	19	17	
DTJN2H	GlobalFiler™ (STRmix)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
E2AQJK	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			2
E6UF84	GlobalFiler™ (STRmix)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2

TABLE 1

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

Item 4sp - STR Results

ECUWHA	GlobalFiler™ (STRmix)				
	11,16,17	23,25	11,14	15,16,17	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
EJPZJL	18	10			2
	PowerPlex® Fusion 5C				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
EMAP86	19,22	12,13	5,7	6,9	8
	18	10			
	GlobalFiler™ (STRmix)				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
EN4FCX	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
	GlobalFiler™ (STRmix)				
	11,16	23,25	11,14	15,16	11
ENMFWF	11,12	8,10,13	10,12,15	18,21	8,11
	10,12	14,16.2,17.2	30	11,17,18	X,Y
	19,22			24.2,28.2	6,9
	18	8,10			2
	Investigator® 24plex QS (STRmix)				
EPDRM9	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
EWXHHF	GlobalFiler™				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			8
	Investigator® 24plex QS (STRMix)				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			8

TABLE 1

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

Item 4sp - STR Results

FCPZL6	GlobalFiler™					
	11,16	23,25	11,14	15,16	11	
	11,12	8,13	12,15	18,21	8,11	11,13
	10,12	14,17.2	30	11,17	X,Y	12
	19,22			24.2,28.2	6,9	8
FHUNF6	18	10			2	
	ESI-17 FAST					
	11,16	23,25	11,14	15,16		
	11,12	8,13	12,15	18,21		11,13
	10,12	14,17.2	30,30	11,17	X,Y	
FKHAUE	19,22			24.2,28.2	6,9	
	18,18					
	GlobalFiler™ (STRmix)					
	11,16	23,25	11,14	15,16	11	
	11,12	8,13	12,15	18,21	8,11	11,13
FP9LPB	10,12	14,17.2	30	11,17	X,Y	12
	19,22			24.2,28.2	6,9	8
	18	10			2	
	GlobalFiler™ (STRmix)					
	10,11,15,16	22,23,25	10,11,13,14,15	14,15,16,17	10,11	
FQQE6M	10,11,12	7,8,12,13	12,14,15	18,21	8,10,11	10,11,12,13
	10,11,12	13,14,16.2,17.2	29,30	11,16,17	X,Y	11,12
	18,19,21,22			23.2,24.2,27.2,28.2	6,9	8
	17,18	10			2	
	GlobalFiler™					
FU69M6	11,16	23,25	11,14	15,16	11	
	11,12	8,13	12,15	18,21	8,11	11,13
	10,12	14,17.2	30	11,17	X,Y	12
	19,22			24.2,28.2	6,9	8
	18	10			2	
FWE4J6	GlobalFiler™					
	11,16	23,25	11,14	15,16	11,11	
	11,12	8,13	12,15	18,21	8,11	11,13
	10,12	14,17.2	30,30	11,17	X,Y	12,12
	19,22			24.2,28.2	6,9	8,8
	18,18	10			2	

TABLE 1

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

Item 4sp - STR Results

FYLCUB	PowerPlex® Fusion				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22	12,13	5,7	6,9	12
	18	10			8
FZAXG7	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			8
FZDEE6	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			8,8
G48V64	ESI-17 FAST				
4sp	11,16	23,25	11,14	15,16	
		8,13	12,15	18,21	11,13
	10,12	14,17.2	30	11,17	X,Y
	19,22			[21.2],24.2,28.2	6,9
	18				
G4QU79	PowerPlex® Fusion				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22	12,13	5,7	6,9	12
	18	10			8
G86GV7	PowerPlex® Fusion 5C (STRmix)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22	12,13	5,7	6,9	12
	18	10			8
GAEC16	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			8,8

TABLE 1

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

Item 4sp - STR Results

GGXK7V	GlobalFiler™ (STRmix)				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,16.2,17.2	30	11,17,18	X,Y
	19,22			24.2,28.2,29.2	6,9
	18	10			2
GHPE87	GlobalFiler™				
	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			2
GL7489	PowerPlex® Fusion 5C				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22	12,13	5,7		6,9
	18	10			8
GM4CGD	PowerPlex® Fusion 6C				
	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22	12,13	5,7	24.2,28.2	6,9
	18,18	10	19	17	8,8
GRWDG8	GlobalFiler™ (STRmix)				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
H6XAEY	Investigator® 24plex QS				
	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			8,8
H8MHKU	GlobalFiler™ (STRmix)				
	11,16	21,23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	12,14,17.2	30,31	11,17,18	X,Y
	19,22			24.2,28.2	6,9
	18	10			2

TABLE 1

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

Item 4sp - STR Results

HBNLCG	GlobalFiler™				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			21,24.2,28.2	6,9
	18	10			2
HFMVP4	GlobalFiler™				
	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			2
HHJNC8	PowerPlex® 5C				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22	12,13	5,7		6,9
	18	10			8
HJF8D9	GlobalFiler™ (STRmix)				
	10,11,15,16	22,23,24,25	10,11,13,14	14,15,16	10,11
	10,11,12	7,8,12,13	11,12,14,15	17,18,20,21	7,8,10,11
	9,10,11,12	13,14,16.2,17.2	29,30	10,11,16,17,18	X,Y
	18,19,21,22			23.2,24.2,27.2,28.2	6,9
	17,18,19	10			2
J4J6G2	GlobalFiler™				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
JHJ43D	GlobalFiler™ (STRmix)				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
JLHM2Q	GlobalFiler™ (STRmix)				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17,18	X,Y
	19,22			24.2,28.2	6,9
	18	10			2

TABLE 1

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

Item 4sp - STR Results

JMFMA3	GlobalFiler™				
	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22	N/A	N/A	24.2,28.2	6,9
	18,18	10	N/A	N/A	2
K97JA2	GlobalFiler™				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
KA7CCF	GlobalFiler™				
	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			2
KBGCE2	PowerPlex® Fusion				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22	12,13	5,7		6,9
	18	10			
KCA69Y	GlobalFiler™ (STRmix)				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
KD7MAZ	GlobalFiler™				
	11,[16]	23,25	[11],14	15,16	11,11
	11,[12]	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			2
KEFRL4	GlobalFiler™ (STRmix)				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			22.2,24.2,28.2	6,9
	18,19	10			2

TABLE 1

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

Item 4sp - STR Results

KK68AB	GlobalFiler™ (STRmix)				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
KN87PA	PowerPlex® Fusion 6C				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22	12,13	5,7	24.2,28.2	6,9
	18	10	19	17	
KTU386	GlobalFiler™ (STRmix)				
	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			2
KUCRT7	GlobalFiler™ (STRmix)				
	11,16	23,25	10,11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,16.2,17.2	30	11,17	X,Y
	18,19,21,22			24.2,27.2,28.2	6,9
	18	10			2
KWH8BA	PowerPlex® Fusion 6C				
	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22	12,13	5,7	24.2,28.2	6,9
	18,18	10	19	17	
KZUF89	GlobalFiler™ (STRmix)				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
L2KXNZ	GlobalFiler™				
	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			2

TABLE 1

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

Item 4sp - STR Results

L32UGZ	GlobalFiler™					
		11,16	23,25	11,14	15,16	11
4sp		11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30	11,17	X,Y
		19,22			24.2,28.2	6,9
		18	10			2
LD3KVF	GlobalFiler™					
		11,16	23,25	11,14	15,16	11
4sp		11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30	11,17	X,Y
		19,22			24.2,28.2	6,9
		18	10			2
LFPYJP	GlobalFiler™ (STRmix)					
		11,16	23,25	11,14	15,16	11
4sp		11,12	8,13	12,15	18,21	8,11
		10,12	14,16.2,17.2	30	11,17,18	X,Y
		19,22			24.2,28.2,29.2	6,9
		16,18	10			2
LKJZL4	GlobalFiler™ (STRmix)					
		11,16	23,25	11,14	15,16	11,11
4sp		11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30,30	11,17	X,Y
		19,22			24.2,28.2	6,9
		18,18	10			2
LTBEMP	GlobalFiler™ (STRmix)					
		11,16	23,25	11,14	15,16	11
4sp		11,12	8,13	12,15	18,21	8,11
		10,12	12,14,16.2,17.2	30	11,17,18	X,Y
		19,22			24.2,25.2,28.2	6,9
		18	10			2
LVYVWX	GlobalFiler™					
		11,16	23,25	11,14	15,16	11
4sp		11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30	11,17	X,Y
		19,22			24.2,28.2	6,9
		18	10			2
LWAPJP	GlobalFiler™ (STRmix)					
		11,16	23,25	9,11,14	15,16	11
4sp		11,12,13	8,10,13	12,15	18,21	8,11
		10,12	14,16.2,17.2	30	11,17,18	X,Y
		19,22			24,24.2,28.2	6,9
		18	8,10			2

TABLE 1

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

Item 4sp - STR Results

M62KXY	GlobalFiler™				
	11,16	23,25	11,14	15,16	11,11
4sp	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			2
MBP64Z	PowerPlex® Fusion 5C				
	11,16	23,25	11,14	15,16	11
4sp	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22	12,13	5,7		6,[7],9
	18	10			8,[11]
MT87X3	PowerPlex® Fusion				
	11,16	23,25	11,14	15,16	11
4sp	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22	12,13	5,7		6,9
	18	10			8
MT949X					
	11,16	23,25	11,14	15,16	11,11
4sp	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			2
MTNHG8	PowerPlex® Fusion 6C				
	11,16	23,25	11,14	15,16	11,11
4sp	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22	12,13	5,7	24.2,28.2	6,9
	18,18	10	19	17	8,8
N2WGL3	GlobalFiler™				
	11,16	23,25	11,14	15,16	11
4sp	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
NBK87A	GlobalFiler™				
	11,16	23,25	11,14	15,16	11
4sp	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2

TABLE 1

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

Item 4sp - STR Results

NBZGXW	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			2
NDC7K8	GlobalFiler™ (STRmix)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.4,28.2	6,9
	18	10			2
NEKJ2A	GlobalFiler™ (STRmix 2.7)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
NEPVP7	PowerPlex® Fusion 6C				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22	12,13	5,7	24.2,28.2	6,9
	18	10	19	17	
NKUGVN	GlobalFiler™ (STRmix)				
4sp	11,16	23,25	11,14	15,16,17	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,15.2,16.2,17.2	30,31	11,17,18	X,Y
	19,22			24.2,26.2,28.2	6,9
	18	10			2
NRRBMU	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
NTJCQW	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2

TABLE 1

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

Item 4sp - STR Results

NTQA73	PowerPlex® Fusion 5C				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22	12,13	5,7	6,9	8
	18	10			
NUEVTX	Investigator® 24plex QS				
	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22	n/a	n/a	24.2,28.2	6,9
	18,18	10	n/a	n/a	n/a
NW66Q7	PowerPlex® Fusion 6C				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22	12,13	5,7	24.2,28.2	6,9
	18	10	19	17	
NW6A29	GlobalFiler™ (STRmix)				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
P9XTGY	GlobalFiler™ (STRmix)				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,16.2,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
PCW4DY	GlobalFiler™ (STRmix)				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,16.2,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
PK6X68	GlobalFiler™ (STRmix)				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2

TABLE 1

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

Item 4sp - STR Results

PPK9KV	GlobalFiler™					
		11,16	23,25	11,14	15,16	11
	4sp	11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30	11,17	X,Y
		19,22		24.2,28.2	6,9	12
		18	10			8
Q9R2Z3	GlobalFiler™ (STRmix)					
		11,16	23,25	11,14	15,16	11
	4sp	11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30	11,17	X,Y
		19,22		24.2,28.2	6,9	12
		18	10			8
QHEYR9	GlobalFiler™					
		11,16	23,25	11,14	15,16	11,11
	4sp	11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30,30	11,17	X,Y
		19,22		24.2,28.2	6,9	12,12
		18,18	10			8,8
QY43AX	GlobalFiler™ (STRmix)					
		11,16,17	23,25	11,14	15,16	11
	4sp	11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30	11,17	X,Y
		19,22		24.2,28.2	6,9	11,13,14
		18	10			12
R4TWQV	GlobalFiler™					
		11,16	23,25	11,14	15,16	11,11
	4sp	11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30,30	11,17	X,Y
		19,22	N/A	N/A	24.2,28.2	6,9
		18,18	10	N/A	N/A	8,8
R9B494	GlobalFiler™ (STRmix)					
		11,16	23,25	11,14	15,16	11
	4sp	11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30	11,17	X,Y
		19,22		24.2,28.2	6,9	11,13
		18	10			12
RDZNAX	Identifiler®					
			23,25		15,16	11,11
	4sp	11,12	8,13			8,11
		10,12	14,17.2	30,30		X,Y
		19,22				12,12
		18,18				6,9

TABLE 1

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

Item 4sp - STR Results

REAQWV	GlobalFiler™					
4sp		11,16	23,25	11,14	15,16	11,11
		11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30,30	11,17	X,Y
		19,22			24.2,28.2	6,9
		18,18	10			2
RF79XX	GlobalFiler™					
4sp		11,16	23,25	11,14	15,16	11,11
		11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30,30	11,17	X,Y
		19,22			24.2,28.2	6,9
		18,18	10			2
RFNCA6	GlobalFiler™					
4sp		11,16	23,25	11,14	15,16	11
		11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30	11,17	X,Y
		19,22			24.2,28.2	6,9
		18	10			2
RJ6LEW	GlobalFiler™ IQC					
4sp		11,16	23,25	11,14	15,16	11,11
		11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30,30	11,17	X,Y
		19,22			24.2,28.2	6,9
		18,18	10			2
RN4RH3	PowerPlex® Fusion 6C (STRmix)					
4sp		11,16	23,25	11,14	15,16	11,11
		11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30,30	11,17	X,Y
		19,22	12,13	5,7	24.2,28.2	6,9
		18,18	10	19	17	8,8
RNYEV7	GlobalFiler™					
4sp		11,16	23,25	11,14	15,16	11
		11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30	11,17	X,Y
		19,22			24.2,28.2	6,9
		18	10			2
RQ8RC8	GlobalFiler™					
4sp		11,16	23,25	11,14	15,16	11,11
		11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30,30	11,17	X,Y
		19,22			24.2,28.2	6,9
		18,18	10			2

TABLE 1

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

Item 4sp - STR Results

RRFNZW	PowerPlex® Fusion 6C (STRmix v2.9)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22	12,13	5,7	24.2,28.2	6,9
	18	10	19	17	8
RVMZ3R	GlobalFiler™ (STRmix)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			8
RX7BE3	GlobalFiler™ (STRmix)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			8
T3FRNR	GlobalFiler™				
4sp	11,16	23,[25]	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,[17.2]	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			8,8
TDY47V	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22	N/A	N/A	24.2,28.2	6,9
	18,18	10	N/A	N/A	8,8
TJ3AGR	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			8,8
TMJCNX	PowerPlex® Fusion				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22	12,13	5,7		6,9
	18	10			8

TABLE 1

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

Item 4sp - STR Results

TP8XBT	GlobalFiler™					
		11,16	23,25	11,14	15,16	11
	4sp	11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30	11,17	X,Y
		19,22			24.2,28.2	6,9
		18	10			2
TTQ3PH	GlobalFiler™ (strmix)					
		11,16	23,25	11,14	15,16	11
	4sp	11,12	8,13	12,15	18,21	8,11
		10,12	14,16.2,17.2	30	11,17,18	X,Y
		19,22			24.2,28.2	6,9
		18	10			2
ULLGHZ	PowerPlex® Fusion 6C					
		11,16	23,25	11,14	15,16	11,11
	4sp	11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30,30	11,17	X,Y
		19,22	12,13	5,7	24.2,28.2	6,9
		18,18	10	19	17	8,8
UPKXQN	GlobalFiler™					
		11,16	23,25	11,14	15,16	11
	4sp	11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30	11,17	X,Y
		19,22			24.2,28.2	6,9
		18	10			2
UQENVG	GlobalFiler™ (STRmix)					
		11,16	23,25	11,14	15,16	11
	4sp	11,12	8,10,13	12,15	18,21	8,11
		10,12	14,16.2,17.2	30	11,17,18	X,Y
		19,22			24.2,28.2	6,9
		18	10			2
UT9CFX	GlobalFiler™ (STRmix)					
		11,16	23,25	11,14	15,16	11
	4sp	11,12	8,13	12,15	18,21	8,11
		10,12	12,14,16.2,17.2	30	11,17,18	X,Y
		19,22			24.2,28.2	6,9
		18	10			2
UXZQVR	Investigator® 24plex QS					
		11,16	23,25	11,14	15,16	11,11
	4sp	11,12	8,13	12,15	18,21	8,11
		10,12	14,17.2	30,30	11,17	X,Y
		19,22	N/A	N/A	24.2,28.2	6,9
		18,18	10	N/A	N/A	8,8

TABLE 1

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

Item 4sp - STR Results

V8GP7U	PowerPlex® Fusion 6C (GENEMAPPER ID-X V1.5)				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22	12,13	5,7	24.2,28.2	6,9
	18,18	10	19	17	8,8
VK6WYP	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11,[12]
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	[28],30	11,[15],17	X,Y
	19,22			[21],24.2,28.2	6,9
	18,18	10			8,8
VTZR3E	GlobalFiler™ (STRmix)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	12,14,17.2	30	11,17,18	X,Y
	19,22			24.2,28.2	6,9
	18	10			8
VUBWF3	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			8
VUYTBR	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22	N/A	N/A	24.2,28.2	6,9
	18,18	10	N/A	N/A	8,8
VYQ67N	GlobalFiler™ (STRmix on the non-sperm fraction)				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			8,8
W773A2	GlobalFiler™ (STRmix)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			8

TABLE 1

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

Item 4sp - STR Results

WVQ8P	GlobalFiler™					
	11,16	23,25	11,14	15,16	11	
	11,12	8,13	12,15	18,21	8,11	11,13
	10,12	14,17.2	30	11,17	X,Y	12
	19,22			24.2,28.2	6,9	8
	18	10			2	
WKPPJY	GlobalFiler™ (STRMIX)					
	11,16	23,25	11,14	15,16	11	
	11,12	8,13	12,15	18,21	8,11	11,13
	10,12	14,17.2	30	11,17	X,Y	12
	19,22			24.2,28.2	6,9	8
	18	10			2	
WN6FKN	GlobalFiler™					
	11,16	23,25	11,14	15,16	11	
	11,12	8,13	12,15	18,21	8,11	11,13
	10,12	14,17.2	30	11,17	X,Y	12
	19,22			24.2,28.2	6,9	8
	18	10			2	
WUA4EN	PowerPlex® ESI-17 Fast					
	11,16	23,25	11,14	15,16		
	11,12	8,13	12,15	18,21		11,13
	10,12	14,17.2	30,30	11,17	X,Y	
	19,22			24.2,28.2	6,9	
	18,18					
WVJ76U	GlobalFiler™ (STRmix)					
	10,11,15,16	22,23,24,25	10,11,13,14	14,15,16	10,11	
	10,11,12	8,12,13	11,12,14,15	17,18,20,21	8,10,11	10,11,12,13
	10,11,12	13,14,16.2,17.2	29,30	11,16,17,18	X,Y	11,12
	18,19,21,22			23.2,24.2,27.2,28.2	6,9	8
	17,18	10			2	
X4B7VR	GlobalFiler™ (STRmix)					
	11,16	23,25	11,14	15,16	11,11	
	11,12	8,13	12,15	18,21	8,11	11,13
	10,12	14,17.2	30,30	11,17	X,Y	12,12
	19,22			24.2,28.2	6,9	8,8
	18,18	10			2	
X9PGD2	GlobalFiler™					
	11,16	23,25	11,14	15,16	11,11	--
	11,12	8,13	12,15	18,21	8,11	11,13
	10,12	14,17.2	30,30	11,17	X,Y	12,12
	19,22	--	--	24.2,28.2	6,9	8,8
	18,18	10	--	--	2	

TABLE 1

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

Item 4sp - STR Results

XAFX9V	PowerPlex® Fusion 6C (STRmix V.2.5.11)				
	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22	12,13	5,7	24.2,28.2	6,9
	18,18	10	19	17	
XDM366	GlobalFiler™				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
XPRF2V	Investigator® 24plex QS (STRmix)				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			
XWCLPP	GlobalFiler™				
	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10,F			2,F
YECNDL	GlobalFiler™				
	11,16	23,[25]	11,14	15,16	11,11
	11,12	8,[11],13	12,[14],15	18,21	8,11,[12]
	10,12,[14],[16]	14,[16],17.2	30,30	11,[15],17	X,Y
	19,22			[21],24.2,28.2,[30.2]	6,9
	18,18	10			2
YM3AED	GlobalFiler™				
	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			2
YWUP8N	GlobalFiler™				
	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18,18	10			2

TABLE 1

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

Item 4sp - STR Results

Z9H8FL	PowerPlex® 21 (STRmix)				
4sp	11,16	23,25		15,16	11,11
	11,12	8,13		18,21	8,11
	10,12	14,17.2	30,30		X,Y
	19,22	12,13	5,7		6,9
	18,18				8,8
ZM22PQ	PowerPlex® Fusion				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22	12,13	5,7		6,9
	18	10			8
ZNWAZV	PowerPlex® Fusion 6C				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22	12,13	5,7	24.2,28.2	6,9
	18,18	10	19	17	8,8
ZPMFEZ	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			8
ZRVX9P	PowerPlex® Fusion (DNAxs)				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22	12,13	5,7	24.2,28.2	6,9
	18	10	19	17	8
ZT7RUH	GlobalFiler™				
4sp	11,16	23,25	11,14	15,16	11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30	11,17	X,Y
	19,22			24.2,28.2	6,9
	18	10			8
ZVU6XU	PowerPlex® Fusion 6C (STRmix V2.5.11)				
4sp	11,16	23,25	11,14	15,16	11,11
	11,12	8,13	12,15	18,21	8,11
	10,12	14,17.2	30,30	11,17	X,Y
	19,22	12,13	5,7	24.2,28.2	6,9
	18,18	10	19	17	8,8

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										
2WLM9U		Yfiler™ Plus								
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
2YLTPK		PowerPlex® Y 23								
2	-	13	14	14	30	24	9	11	13	
	14	10	11	20	-	15	18	-	28	
	-	12	11	23	20	-	21	12	12	
2ZJ2ZP		Yfiler™ Plus								
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
3A287R		Yfiler™ Plus								
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
44A8JK		Yfiler™ Plus								
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
4AJFUM		Yfiler™ Plus								
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
4BV6YK		Yfiler™ Plus								
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
4TCEZL		Yfiler™ Plus								
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
68Q2MN		PowerPlex® Y 23								
2		13	14,14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	12	
6MGWVF		Yfiler™								
2	N/A	13	14	14	30	24	9	11	13	
	14	10	11	20	N/A	15	18	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	12	
6MYXZV		PowerPlex® Y 23								
2		13	14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	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										
6QPUVG	PowerPlex® Y 23									
2		13	14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	12	
76JVWG	Yfiler™ Plus									
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
778HBP	Yfiler™ Plus									
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
7DU69F	PowerPlex® Y 23									
2		13	14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	12	
7ERDJK	Yfiler™ Plus									
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
7GUG4F	PowerPlex® Y 23									
2		13	14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	12	
7HQPEK	Yfiler™ Plus									
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
7KUPBC	Yfiler™ Plus									
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
7MG4YL	Yfiler™ Plus									
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
7W6VPK	Yfiler™ Plus									
2	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
7Z7XFL	Yfiler™ Plus									
2	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
7ZLCVH	PowerPlex® Y 23									
2		13	14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	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										
82XJHB		Yfiler™ Plus								
2		36,36	13	14,14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
84ZGQJ		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
86XMBJ		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
86XPZN		PowerPlex® Y 23								
2			13	14,14	14	30	24	9	11	13
		14	10	11	20		15	18		28
			12	11	23	20		21	12	12
8GVEGA		PowerPlex® Y 23								
2			13	14,14	14	30	24	9	11	13
		14	10	11	20		15	18		28
			12	11	23	20		21	12	12
8KMWUF		PowerPlex® Y 23								
2			13	14,14	14	30	24	9	11	13
		14	10	11	20		15	18		28
			12	11	23	20		21	12	12
8L6LKM		PowerPlex® Y 23								
2			13	14,14	14	30	24	9	11	13
		14	10	11	20		15	18		28
			12	11	23	20		21	12	12
8LK64K		Yfiler™ Plus								
2		36,36	13	14,14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
8XWFPN		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
972U3A		Yfiler™								
2			13	14	14	30	24	9	11	13
		14	10	11	20		15	18		
								21		12
AV444N		PowerPlex® Y 23								
2			13	14	14	30	24	9	11	13
		14	10	11	20		15	18		28
			12	11	23	20		21	12	12
AXMFNC		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		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										
AYF9GA		Yfiler™ Plus								
2		36,36	13	14,14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
B3XVPM		PowerPlex® Y 23								
2			13	14	14	30	24	9	11	13
		14	10	11	20		15	18		28
			12	11	23	20		21	12	12
B92REE		Yfiler™ Plus								
2		36,36	13	14,14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
B94LUE		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
BGENFE		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
BJ2A2B		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
BJKBTJ		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
BNE6QK		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
CE7VZ8		Yfiler™ Plus								
2		36,36	13	14,14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
CMGCCD		Yfiler™ Plus								
2		36,36	13	14,14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
CXJFWB		Yfiler™ Plus								
2		36,36	13	14,14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
CZPXV7		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		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										
D4L7E7		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
DD83KE		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
DEXFW6		Yfiler™								
2			13	14	14	30	24	9	11	13
		14	10	11	20		15	18		
								21		12
DLYML7		Yfiler™ Plus								
2		36,36	13	14,14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
DPLZPH		PowerPlex® Y 23								
2			13	14,14	14	30	24	9	11	13
		14	10	11	20		15	18		28
			12	11	23	20		21	12	12
DTJN2H		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
EBYEF9		PowerPlex® Y 23								
2			13	14,14	14	30	24	9	11	13
		14	10	11	20		15	18		28
			12	11	23	20		21	12	12
ECUWHA		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
ECWMQD		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
EG43AA		Yfiler™ Plus								
2		36,36	13	14,14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
EMAP86		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
EPDRM9		Yfiler™ Plus								
2		36,36	13	14,14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		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										
FCPZL6	Yfiler™ Plus									
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
FKHAUE	Yfiler™ Plus									
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
FU69M6	Yfiler™ Plus									
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
FWE4J6	PowerPlex® Y									
2		13	14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	12	
FYLCUB	Yfiler™ Plus									
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
FZAXG7	Yfiler™									
2		13	14	14	30	24	9	11	13	
	14	10	11	20		15	18			
							21		12	
FZDEE6	PowerPlex® Y 23									
2		13	14,14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	12	
G4QU79	Yfiler™ Plus									
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
GAECL6	Yfiler™ Plus									
2	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
GE9CZZ	Yfiler™ Plus									
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
GHPE87	Yfiler™ Plus									
2	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
GL7489	Yfiler™ Plus									
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		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

GM4CGD		PowerPlex® Y 23								
2			13	14,14	14	30	24	9	11	13
		14	10	11	20		15	18		28
			12	11	23	20		21	12	12
GRWDG8		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
H6XAEY		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
HFMVP4		Yfiler™ Plus								
2		36,36	13	14,14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
HHJNC8		PowerPlex® Y 23								
2			13	14	14	30	24	9	11	13
		14	10	11	20		15	18		28
			12	11	23	20		21	12	12
HQXQG9		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
J4J6G2		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
JHJ43D		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
K97JA2		Yfiler™								
2			13	14	14	30	24	9	11	13
		14	10	11	20		15	18		
								21		12
KCA69Y		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
KE3WK6		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
KK68AB		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		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										
KN87PA	PowerPlex® Y 23									
		13	14,14	14	30	24	9	11	13	
2		14	10	11	20		15	18		28
		12	11	23	20		21	12	12	
KTU386	Yfiler™									
	36,36	13	14,14	14	30	24	9	11	13	
2		14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21			12
KWH8BA	PowerPlex® Y 23									
		13	14,14	14	30	24	9	11	13	
2		14	10	11	20		15	18		28
		12	11	23	20		21	12	12	
L2KXNZ	Yfiler™ Plus									
	36,36	13	14,14	14	30	24	9	11	13	
2		14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21			12
L32UGZ	Yfiler™ Plus									
	36	13	14	14	30	24	9	11	13	
2		14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21			12
L3H7Y6	Yfiler™ Plus									
	36,36	13	14,14	14	30	24	9	11	13	
2		14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21			12
LVFYFV	Yfiler™ Plus									
	36	13	14	14	30	24	9	11	13	
2		14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21			12
LVYVWX	Yfiler™									
		13	14	14	30	24	9	11	13	
2		14	10	11	20		15	18		
							21		12	
M62KXY	Yfiler™ Plus									
	36,36	13	14,14	14	30	24	9	11	13	
2		14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21			12
MBP64Z	PowerPlex® Y 23									
		13	14	14	30	24	9	11	13	
2		14	10	11	20		15	18		28
		12	11	23	20		21	12	12	
MCMDD6	Yfiler™ Plus									
	36	13	14	14	30	24	9	11	13	
2		14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21			12
MT87X3	Yfiler™ Plus									
	36	13	14	14	30	24	9	11	13	
2		14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21			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										
MTNHG8		PowerPlex® Y 23								
2		13	14,14	14	30	24	9	11	13	
		14	10	11	20		15	18		28
		12	11	23	20		21	12	12	
MU6CJ3		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
NBZGXW		PowerPlex® Y 23								
2		13	14	14	30	24	9	11	13	
		14	10	11	20		15	18		28
		12	11	23	20		21	12	12	
NDC7K8		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
NEKJ2A		PowerPlex® Y 23								
2		13	14	14	30	24	9	11	13	
		14	10	11	20		15	18		28
		12	11	23	20		21	12	12	
NEPVP7		PowerPlex® Y 23								
2		13	14,14	14	30	24	9	11	13	
		14	10	11	20		15	18		28
		12	11	23	20		21	12	12	
NRRBMU		Yfiler™								
2		13	14	14	30	24	9	11	13	
		14	10	11	20		15	18		
							21		12	
NTJCQW		Yfiler™								
2		13	14	14	30	24	9	11	13	
		14	10	11	20		15	18		
							21		12	
NTQA73		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
NW66Q7		PowerPlex® Y 23								
2		13	14,14	14	30	24	9	11	13	
		14	10	11	20		15	18		28
		12	11	23	20		21	12	12	
NW6A29		PowerPlex® Y 23								
2		13	14	14	30	24	9	11	13	
		14	10	11	20		15	18		28
		12	11	23	20		21	12	12	
PK6X68		Yfiler™ Plus								
2		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		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

PPK9KV	Yfiler™ Plus								
	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
2	41	12		23	20	19	21		12
PXTX32	Yfiler™ Plus								
	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
2	41	12		23	20	19	21		12
Q3ULRU	PowerPlex® Y 23								
		13	14	14	30	24	9	11	13
	14	10	11	20		15	18		28
2		12	11	23	20		21	12	12
QPHWGZ	Yfiler™ Plus								
	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
2	41	12		23	20	19	21		12
QTDUMH	Yfiler™ Plus								
	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
2	41	12		23	20	19	21		12
REAQVW	Yfiler™ Plus								
	36,36	13	14,14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
2	41	12		23	20	19	21		12
RJ6LEW	Yfiler™ Plus								
	36,36	13	14,14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
2	41	12		23	20	19	21		12
RN4RH3	PowerPlex® Y 23								
		13	14,14	14	30	24	9	11	13
	14	10	11	20		15	18		28
2		12	11	23	20		21	12	12
RNYEV7	PowerPlex® Y 23								
		13	14	14	30	24	9	11	13
	14	10	11	20		15	18		28
2		12	11	23	20		21	12	12
RVMZ3R	Yfiler™ Plus								
	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
2	41	12		23	20	19	21		12
RX7BE3	Yfiler™ Plus								
	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
2	41	12		23	20	19	21		12
T3FRNR	Yfiler™ Plus								
	36,36	13	14,14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
2	41	12		23	20	19	21		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

T4DZYW	Yfiler™ Plus								
	36,36	13	14,14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
2	41	12		23	20	19	21		12
TJ3AGR	Yfiler™ Plus								
	36,36	13	14,14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
2	41	12		23	20	19	21		12
TMJCNX	Yfiler™ Plus								
	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
2	41	12		23	20	19	21		12
TP8XBT	Yfiler™								
		13	14	14	30	24	9	11	13
	14	10	11	20		15	18		
2							21		12
UB7RJV	Yfiler™ Plus								
	36,36	13	14,14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
2	41	12		23	20	19	21		12
UF2LGW	Yfiler™ Plus								
	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
2	41	12		23	20	19	21		12
ULLGHZ	PowerPlex® Y 23								
		13	14,14	14	30	24	9	11	13
	14	10	11	20		15	18		28
2		12	11	23	20		21	12	12
UWKCGV	Yfiler™ Plus								
	36,36	13	14,14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
2	41	12		23	20	19	21		12
UXGVHW	Yfiler™ Plus								
	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
2	41	12		23	20	19	21		12
VK6WYP	PowerPlex® Y 23								
		13	14	14	30	24	9	11	13
	14	10	11	20		15	18		28
2		12	11	23	20		21	12	12
VTZR3E	Yfiler™ Plus								
	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
2	41	12		23	20	19	21		12
W773A2	PowerPlex® Y 23								
		13	14	14	30	24	9	11	13
	14	10	11	20		15	18		28
2		12	11	23	20		21	12	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										
WVFAQ8P		Yfiler™ Plus								
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
WKPPJY		Yfiler™ Plus								
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
WN6FKN		Yfiler™ Plus								
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
X4B7VR		Yfiler™ Plus Express								
2	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
XAFX9V		PowerPlex® Y 23								
2		13	14,14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	12	
XPFHBT		Yfiler™ Plus								
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
XXQXHT		Yfiler™ Plus								
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
YKDZ9H		Yfiler™ Plus								
2	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
YWUP8N		Yfiler™ Plus								
2	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
Z9H8FL		Yfiler™ Plus								
2	36,NR	13	14,NR	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
ZM22PQ		Yfiler™ Plus								
2	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
ZNVWAZV		PowerPlex® Y 23								
2		13	14,14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	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

ZNX8BQ		Yfiler™ Plus							
2	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
ZPMFEZ		PowerPlex® Y 23							
2		13	14	14	30	24	9	11	13
	14	10	11	20		15	18		28
		12	11	23	20		21	12	12
ZVU6XU		PowerPlex® Y 23							
2		13	14,14	14	30	24	9	11	13
	14	10	11	20		15	18		28
		12	11	23	20		21	12	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										
2WLM9U		Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
2YLTPK		PowerPlex® Y 23								
3	-	13	14	14	30	24	9	11	13	
	14	10	11	20	-	15	18	-	28	
	-	12	11	23	20	-	21	12	12	
2ZJ2ZP		Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
3A287R		Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
44A8JK		Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
4AJFUM		Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
4BV6YK		Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
4TCEZL		Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
68Q2MN		PowerPlex® Y 23								
3		13	14,14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	12	
6MGWVF		Yfiler™								
3	N/A	13	14	14	30	24	9	11	13	
	14	10	11	20	N/A	15	18	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	12	
6QPUVG		PowerPlex® Y 23								
3		13	14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	12	
76JVWG		Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		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										
778HBP	Yfiler™ Plus									
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
7DU69F	PowerPlex® Y 23									
3		13	14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	12	
7ERDJK	Yfiler™ Plus									
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
7GUG4F	PowerPlex® Y 23									
3		13	14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	12	
7HQPEK	Yfiler™ Plus									
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
7KUPBC	Yfiler™ Plus									
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
7W6VPK	Yfiler™ Plus									
3	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
7Z7XFL	Yfiler™ Plus									
3	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
7ZLCVH	PowerPlex® Y 23									
3		13	14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	12	
82XJHB	Yfiler™ Plus									
3	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
84ZGQJ	Yfiler™ Plus									
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
86XMBJ	Yfiler™ Plus									
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		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

8GVEGA		PowerPlex® Y 23								
3		13	14,14	14	30	24	9	11	13	
	14	10	11	20	15	18			28	
		12	11	23	20		21	12	12	
8KMWUF		PowerPlex® Y 23								
3		13	14,14	14	30	24	9	11	13	
	14	10	11	20	15	18			28	
		12	11	23	20		21	12	12	
8LK64K		Yfiler™ Plus								
3	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
8XWFPN		Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
972U3A		Yfiler™								
3		13	14	14	30	24	9	11	13	
	14	10	11	20	15	18				
							21		12	
AV444N		PowerPlex® Y 23								
3		13	14	14	30	24	9	11	13	
	14	10	11	20	15	18			28	
		12	11	23	20		21	12	12	
AXMFNC		Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
AYF9GA		Yfiler™ Plus								
3	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
B3XVPM		PowerPlex® Y 23								
3		13	14	14	30	24	9	11	13	
	14	10	11	20	15	18			28	
		12	11	23	20		21	12	12	
B92REE		Yfiler™ Plus								
3	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
B94LUE		Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
BGENFE		Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		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										
BJ2A2B	Yfiler™ Plus									
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
BJKBTJ	Yfiler™ Plus									
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
BNE6QK	Yfiler™ Plus									
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
CE7VZ8	Yfiler™ Plus									
3	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
CMGCCD	Yfiler™ Plus									
3	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
CZPXV7	Yfiler™ Plus									
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
D4L7E7	Yfiler™ Plus									
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
DD83KE	Yfiler™ Plus									
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
DEXFW6	Yfiler™									
3		13	14	14	30	24	9	11	13	
	14	10	11	20		15	18			
							21		12	
DLYML7	Yfiler™ Plus									
3	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
DTJN2H	Yfiler™ Plus									
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
EBYEF9	PowerPlex® Y 23									
3		13	14,14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	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

ECUWHA		Yfiler™ Plus								
3		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
ECWMQD		Yfiler™ Plus								
3		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
EG43AA		Yfiler™ Plus								
3		36,36	13	14,14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
EMAP86		Yfiler™ Plus								
3		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
EPDRM9		Yfiler™ Plus								
3		36,36	13	14,14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
FKHAUE		Yfiler™ Plus								
3		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
FWE4J6		PowerPlex® Y								
3			13	14	14	30	24	9	11	13
		14	10	11	20		15	18		28
			12	11	23	20		21	12	12
FYLCUB		Yfiler™ Plus								
3		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
FZAXG7		Yfiler™								
3			13	14	14	30	24	9	11	13
		14	10	11	20		15	18		
								21		12
FZDEE6		PowerPlex® Y 23								
3			13	14	14	30	24	9	11	13
		14	10	11	20		15	18		28
			12	11	23	20		21	12	12
G4QU79		Yfiler™ Plus								
3		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		12
GE9CZZ		Yfiler™ Plus								
3		36	13	14	14	30	24	9	11	13
		14	10	11	20	33	15	18	11	28
		41	12		23	20	19	21		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

GL7489	Yfiler™ Plus								
	36	13	14	14	30	24	9	11	13
3	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
GRWDG8	Yfiler™ Plus								
	36	13	14	14	30	24	9	11	13
3	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
HFMVP4	Yfiler™ Plus								
	36,36	13	14,14	14	30	24	9	11	13
3	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
HHJNC8	PowerPlex® Y 23								
		13	14	14	30	24	9	11	13
3	14	10	11	20	33	15	18		28
		12	11	23	20		21	12	12
HQXQG9	Yfiler™ Plus								
	36	13	14	14	30	24	9	11	13
3	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
JHJ43D	Yfiler™ Plus								
	36	13	14	14	30	24	9	11	13
3	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
K97JA2	Yfiler™								
		13	14	14	30	24	9	11	13
3	14	10	11	20		15	18		
							21		12
KCA69Y	Yfiler™ Plus								
	36	13	14	14	30	24	9	11	13
3	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
KE3WK6	Yfiler™ Plus								
	36	13	14	14	30	24	9	11	13
3	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
KK68AB	Yfiler™ Plus								
	36	13	14	14	30	24	9	11	13
3	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
KTU386	Yfiler™								
	36,36	13	14,14	14	30	24	9	11	13
3	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
L3H7Y6	Yfiler™ Plus								
	36,36	13	14,14	14	30	24	9	11	13
3	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		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									
LVFYFV	Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
LVYVWX	Yfiler™								
3		13	14	14	30	24	9	11	13
	14	10	11	20		15	18		
							21		12
MBP64Z	PowerPlex® Y 23								
3		13	14	14	30	24	9	11	13
	14	10	11	20		15	18		28
		12	11	23	20		21	12	12
MCMDD6	Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
MT87X3	Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
MU6CJ3	Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
NBZGXW	PowerPlex® Y 23								
3		13	14	14	30	24	9	11	13
	14	10	11	20		15	18		28
		12	11	23	20		21	12	12
NDC7K8	Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
NEKJ2A	PowerPlex® Y 23								
3		13	14	14	30	24	9	11	13
	14	10	11	20		15	18		28
		12	11	23	20		21	12	12
NRRBMU	Yfiler™								
3		13	14	14	30	24	9	11	13
	14	10	11	20		15	18		
							21		12
NTJCQW	Yfiler™								
3		13	14	14	30	24	9	11	13
	14	10	11	20		15	18		
							21		12
NTQA73	Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		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										
NW6A29	PowerPlex® Y 23									
3		13	14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	12	
PK6X68	Yfiler™ Plus									
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
PXTX32	Yfiler™ Plus									
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
Q3ULRU	PowerPlex® Y 23									
3		13	14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	12	
QPHWGZ	Yfiler™ Plus									
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
QTDUMH	Yfiler™ Plus									
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
REAQVW	Yfiler™ Plus									
3	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
RJ6LEW	Yfiler™ Plus									
3	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
RN4RH3	PowerPlex® Y 23									
3		13	14,14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	12	
RNYEV7										
3		13	14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	12	
RX7BE3	Yfiler™ Plus									
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
T3FRNR	Yfiler™ Plus									
3	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		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

T4DZYW	Yfiler™ Plus								
3	36,36	13	14,14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
TMJCNX	Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
TP8XBT	Yfiler™								
3		13	14	14	30	24	9	11	13
	14	10	11	20		15	18		
							21		12
UB7RJV	Yfiler™ Plus								
3	36,36	13	14,14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
UF2LGW	Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
UWKCGV	Yfiler™ Plus								
3	36,36	13	14,14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
UXGVHW	Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
VK6WYP	Yfiler™								
3		13	14	14	30	24	9	11	13
	14	10	11	20		15	18		
							21		12
VTZR3E	Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
W773A2	PowerPlex® Y 23								
3		13	14	14	30	24	9	11	13
	14	10	11	20		15	18		28
		12	11	23	20		21	12	12
WKPPJY	Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		12
XAFX9V	PowerPlex® Y 23								
3		13	14,14	14	30	24	9	11	13
	14	10	11	20		15	18		28
		12	11	23	20		21	12	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

XPFHBT		Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
YKDZ9H		Yfiler™ Plus								
3	36,36	13	14,14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
ZMZ2PQ		Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
ZNX8BQ		Yfiler™ Plus								
3	36	13	14	14	30	24	9	11	13	
	14	10	11	20	33	15	18	11	28	
	41	12		23	20	19	21		12	
ZVU6XU		PowerPlex® Y 23								
3		13	14,14	14	30	24	9	11	13	
	14	10	11	20		15	18		28	
		12	11	23	20		21	12	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 3e - YSTR Results

XXQXHT	Yfiler™ Plus								
3e	36	13	14	14	30	24	9	11	13
	14	10	11	20	33	15	18	11	28
	41	12		23	20	19	21		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 3sp - YSTR Results

XXQXHT Yfiler™ Plus

3sp

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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										
2YLTPK		PowerPlex® Y 23								
		-	14	13,14	12	30	22	10	11	13
4		16	10	12	19	-	14	15	-	24
		-	11	11	19	17	-	21	12	11
7DU69F		PowerPlex® Y 23								
			14	13,14	12	30	22	10	11	13
4		16	10	12	19		14	15		24
			11	11	19	17		21	12	11
7ZLCVH		PowerPlex® Y 23								
			14	13,14	12	30	22	10	11	13
4		16	10	12	19		14	15		24
			11	11	19	17		21	12	11
AXMFNC		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
4		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
BJ2A2B		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
4		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
EBYEF9		PowerPlex® Y 23								
			14	13,14	12	30	22	10	11	13
4		16	10	12	19		14	15		24
			11	11	19	17		21	12	11
EG43AA		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
4		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
Q3ULRU		PowerPlex® Y 23								
			14	13,14	12	30	22	10	11	13
4		16	10	12	19		14	15		24
			11	11	19	17		21	12	11
QTDUMH		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
4		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
YKDZ9H		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
4		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4e - YSTR Results										
2WLM9U	Yfiler™ Plus									
4e		37,38	14	13,14	12	30	22	10	11	13
		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
2ZJ2ZP	Yfiler™ Plus									
4e		37,38	14	13,14	12	30	22	10	11	13
		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
3A287R	Yfiler™ Plus									
4e		37,38	14	13,14	12	30	22	10	11	13
		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
44A8JK	Yfiler™ Plus									
4e		37,38	14	13,14	12	30	22	10	11	13
		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
4AJFUM	Yfiler™ Plus									
4e		37,38	14	13,14	12	30	22	10	11	13
		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
4BV6YK	Yfiler™ Plus									
4e		37,38	14	13,14	12	30	22	10	11	13
		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
4TCEZL	Yfiler™ Plus									
4e		37,38	14	13,14	12	30	22	10	11	13
		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
68Q2MN	PowerPlex® Y 23									
4e										
6MGWVF	Yfiler™									
4e		N/A	14	13,14	12	30	22	10	11	13
		16	10	12	19	N/A	14	15	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	11
6MYXZV	PowerPlex® Y 23									
4e			14	13,14	12	30	22	10	11	13
		16	10	12	19		14	15		24
			11	11	19	17		21	12	11
6QPUVG	PowerPlex® Y 23									
4e			14	13,14	12	30	22	10	11	13
		16	10	12	19		14	15		24
			11	11	19	17		21	12	11
76JVWG	Yfiler™ Plus									
4e		37,38	14	13,14	12	30	22	10	11	13
		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4e - YSTR Results										
778HBP		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
4e		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
7ERDJK		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
4e		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
7GUG4F		PowerPlex® Y 23								
			14	13,14	12	30	22	10	11	13
4e		16	10	12	19		14	15		24
			11	11	19	17		21	12	11
7HQPEK		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
4e		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
7KUPBC		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
4e		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
7W6VPK		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
4e		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
7Z7XFL		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
4e		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
82XJHB		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
4e		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
84ZGQJ		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
4e		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
86XMBJ		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
4e		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
8GVEGA		PowerPlex® Y 23								
			14	13,14	12	30	22	10	11	13
4e		16	10	12	19		14	15		24
			11	11	19	17		21	12	11
8KMWUF		PowerPlex® Y 23								
4e										

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										
8LK64K		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4e	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
8XWFPN		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4e	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
972U3A		Yfiler™								
			14	13,14	12	30	22	10	11	13
	4e	16	10	12	19		14	15		
								21		11
AV444N		PowerPlex® Y 23								
			14	13,14	12	30	22	10	11	13
	4e	16	10	12	19		14	15		24
			11	11	19	17		21	12	11
AYF9GA		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4e	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
B3XVPM		PowerPlex® Y 23								
			14	13,14	12	30	22	10	11	13
	4e	16	10	12	19		14	15		24
			11	11	19	17		21	12	11
B92REE		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4e	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
B94LUE		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4e	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
BGENFE		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4e	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
BJKBTJ		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4e	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
BNE6QK		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4e	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
CE7VZ8		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4e	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11

TABLE 2

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

Item 4e - YSTR Results

CMGCCD	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
CXJFWB	Yfiler™ Plus								
4e									
CZPXV7	Yfiler™ Plus								
4e									
D4L7E7	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
DD83KE	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
DEXFW6	Yfiler™								
		14	13,14	12	30	22	10	11	13
4e	16	10	12	19		14	15		24
							21		11
DLYML7	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
DTJN2H	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
ECUWHA	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
ECWMQD	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
EMAP86	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
EPDRM9	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11

TABLE 2

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

Item 4e - YSTR Results

FCPZL6	Yfiler™ Plus								
4e									
FKHAUE	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
FU69M6	Yfiler™ Plus								
4e									
FWE4J6	PowerPlex® Y								
		14	13,14	12	30	22	10	11	13
4e	16	10	12	19		14	15		24
		11	11	19	17		21	12	11
FYLCUB	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
FZAXG7	Yfiler™								
		14	13,14	12	30	22	10	11	13
4e	16	10	12	19		14	15		
							21		11
FZDEE6	PowerPlex® Y 23								
		14	13,14	12	30	22	10	11	13
4e	16	10	12	19		14	15		24
		11	11	19	17		21	12	11
G4QU79	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
GAECL6	Yfiler™ Plus								
4e									
GE9CZZ	Yfiler™ Plus								
4e									
GHPE87	Yfiler™ Plus								
4e									
GL7489	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4e - YSTR Results										
GRWDG8	Yfiler™ Plus									
4e		37,38	14	13,14	12	30	22	10	11	13
		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
HFMVP4	Yfiler™ Plus									
4e		37,38	14	13,14	12	30	22	10	11	13
		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
HHJNC8	PowerPlex® Y 23									
4e			14	13,14	12	30		10	11	13
		16	10				14	15		24
				11				21	12	11
HQXQG9	Yfiler™ Plus									
4e		37,38	14	13,14	12	30	22	10	11	13
		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
J4J6G2	Yfiler™ Plus									
4e										
JHJ43D	Yfiler™ Plus									
4e		37,38	14	13,14	12	30	22	10	11	13
		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
K97JA2	Yfiler™									
4e			14	13,14	12	30	22	10	11	13
		16	10	12	19		14	15		
								21		11
KCA69Y	Yfiler™ Plus									
4e		37,38	14	13,14	12	30	22	10	11	13
		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
KE3WK6	Yfiler™ Plus									
4e		37,38	14	13,14	12	30	22	10	11	13
		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
KK68AB	Yfiler™ Plus									
4e		37,38	14	13,14	12	30	22	10	11	13
		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
KTU386	Yfiler™									
4e		37,38	14	13,14	12	30	22	10	11	13
		16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
L2KXNZ	Yfiler™ Plus									
4e										

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

L32UGZ	Yfiler™ Plus								
4e									
L3H7Y6	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
LVFYFV	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
LVYVWX	Yfiler™								
		14	13,14	12	30	22	10	11	13
4e	16	10	12	19		14	15		
							21		11
M62KXY	Yfiler™ Plus								
4e									
MBP64Z	PowerPlex® Y 23								
		14	13,14	12	30	22	10	11	13
4e	16	10	12	19		14	15		24
		11	11	19	17		21	12	11
MCMDD6	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
MT87X3	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
MU6CJ3	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
NBZGXW	PowerPlex® Y 23								
		14	13,14	12	30	22	10	11	13
4e	16	10	12	19		14	15		24
		11	11	19	17		21	12	11
NDC7K8	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
NEKJ2A	PowerPlex® Y 23								
		14	13,14	12	30	22	10	11	13
4e	16	10	12	19		14	15		24
		11	11	19	17		21	12	11

TABLE 2

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

Item 4e - YSTR Results

NRRBMU	Yfiler™								
		14	13,14	12	30	22	10	11	13
4e	16	10	12	19		14	15		
							21		11
NTJCQW	Yfiler™								
		14	13,14	12	30	22	10	11	13
4e	16	10	12	19		14	15		
							21		11
NTQA73	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
NW6A29	PowerPlex® Y 23								
		14	13,14	12	30	22	10	11	13
4e	16	10	12	19		14	15		24
		11	11	19	17		21	12	11
PK6X68	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
PPK9KV	Yfiler™ Plus								
4e									
PXTX32	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
QPHWGZ	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
REAQVW	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
RJ6LEW	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
RN4RH3	PowerPlex® Y 23								
4e									
RNYEV7									
		14	13,14	12	30	22	10	11	13
4e	16	10	12	19		14	15		24
		11	11	19	17		21	12	11

TABLE 2

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

Item 4e - YSTR Results

RVMZ3R	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
RX7BE3	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
T3FRNR	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
T4DZYW	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
TJ3AGR	Yfiler™ Plus								
4e									
TMJCNX	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
TP8XBT	Yfiler™								
		14	13,14	12	30	22	10	11	13
4e	16	10	12	19		14	15		
							21		11
UB7RJV	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
UF2LGW	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
UWKCGV	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
UXGVHW	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
VK6WYP	Yfiler™								
		14	13,14	12	30	22	10	11	13
4e	16	10	12	19		14	15		
							21		11

TABLE 2

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

Item 4e - YSTR Results

VTZR3E	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
W773A2	PowerPlex® Y 23								
		14	13,14	12	30	22	10	11	13
4e	16	10	12	19		14	15		24
		11	11	19	17		21	12	11
WVQ8P	Yfiler™ Plus								
4e									
WKPPJY	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
WN6FKN	Yfiler™ Plus								
4e									
X4B7VR	Yfiler™ Plus								
4e									
XAFX9V	PowerPlex® Y 23								
4e									
XPFHBT	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
XXQXHT	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
YWUP8N	Yfiler™ Plus								
4e									
Z9H8FL	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11
ZMZ2PQ	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
4e	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11

TABLE 2

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

Item 4e - YSTR Results

ZNX8BQ	Yfiler™ Plus								
	37,38	14	13,14	12	30	22	10	11	13
	4e	16	10	12	19	27	14	15	10
	40	11		19	17	19	21		11
ZPMFEZ	PowerPlex® Y 23								
		14	13,14	12	30	22	10	11	13
	4e	16	10	12	19	14	15		24
		11	11	19	17		21	12	11
ZVU6XU	PowerPlex® Y 23								
	4e								

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										
2WLM9U		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
2ZJ2ZP		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
3A287R		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
44A8JK		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
4AJFUM		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
4BV6YK		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
4TCEZL		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
68Q2MN		PowerPlex® Y 23								
			14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19		14	15		24
			11	11	19	17		21	12	11
6MGWVF		Yfiler™								
		N/A	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	N/A	14	15	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	11
6MYXZV		PowerPlex® Y 23								
	4sp									
6QPUVG		PowerPlex® Y 23								
			14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19		14	15		24
			11	11	19	17		21	12	11
76JVWG		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results										
778HBP		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
7ERDJK		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
7GUG4F		PowerPlex® Y 23								
			14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19		14	15		24
			11	11	19	17		21	12	11
7HQPEK		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
7KUPBC		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
7W6VPK		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19		19	21		
7Z7XFL		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
82XJHB		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
84ZGQJ		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
86XMBJ		Yfiler™ Plus								
		37	14	14	12		22		11	13
	4sp	16	10		19	27		15	10	24
		40	11		19	17		21		
8GVEGA		PowerPlex® Y 23								
			14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19		14	15		24
			11	11	19	17		21	12	11
8KMWUF		PowerPlex® Y 23								
			14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19		14	15		24
			11	11	19	17		21	12	11

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results										
8LK64K	Yfiler™ Plus									
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
8XWFPN	Yfiler™ Plus									
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
972U3A	Yfiler™									
			14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19		14	15		
							21			11
AV444N	PowerPlex® Y 23									
			14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19		14	15		24
			11	11	19	17		21	12	11
AYF9GA	Yfiler™ Plus									
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
B3XVPM	PowerPlex® Y 23									
			14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19		14	15		24
			11	11	19	17		21	12	11
B92REE	Yfiler™ Plus									
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
B94LUE	Yfiler™ Plus									
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
BGENFE	Yfiler™ Plus									
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
BJKBTJ	Yfiler™ Plus									
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
BNE6QK	Yfiler™ Plus									
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
CE7VZ8	Yfiler™ Plus									
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results										
CMGCCD		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	
CXJFWB		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	
CZPXV7		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	
D4L7E7		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	
DD83KE		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	
DEXFW6		Yfiler™								
			14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19		14	15		
							21		11	
DLYML7		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	
DTJN2H		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	
ECUWHA		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	
ECWMQD		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	
EMAP86		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	
EPDRM9		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results										
FCPZL6		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
FKHAUE		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
FU69M6		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
FWE4J6		PowerPlex® Y								
			14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19		14	15		24
			11	9,11	19	17		21	12	11
FYLCUB		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
FZAXG7		Yfiler™								
			14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19		14	15		
							21		11	
FZDEE6		PowerPlex® Y 23								
			14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19		14	15		24
			11	11	19	17		21	12	11
G4QU79		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
GAECL6		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
GE9CZZ		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
GHPE87		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11
GL7489		Yfiler™ Plus								
		37,38	14	13,14	12	30	22	10	11	13
	4sp	16	10	12	19	27	14	15	10	24
		40	11		19	17	19	21		11

TABLE 2

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 4sp - YSTR Results										
GRWDG8	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
H6XAEY	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
HFMVP4	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
HHJNC8	PowerPlex® Y 23									
4sp		14	13,14	12	30		10	11	13	
	16	10				14	15		24	
			11				21	12	11	
HQXQG9	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
J4J6G2	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
JHJ43D	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
K97JA2	Yfiler™									
4sp		14	13,14	12	30	22	10	11	13	
	16	10	12	19		14	15			
							21		11	
KCA69Y	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
KE3WK6	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
KK68AB	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
KTU386	Yfiler™									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results										
L2KXNZ	Yfiler™ Plus									
	37,38	14	13,14	12	30	22	10	11	13	
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	
L32UGZ	Yfiler™ Plus									
	37,38	14	13,14	12	30	22	10	11	13	
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	
L3H7Y6	Yfiler™ Plus									
	37,38	14	13,14	12	30	22	10	11	13	
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	
LVFYFV	Yfiler™ Plus									
	37,38	14	13,14	12	30	22	10	11	13	
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	
LVYVWX	Yfiler™									
		14	13,14	12	30	22	10	11	13	
	4sp	16	10	12	19		14	15		
							21		11	
M62KXY	Yfiler™ Plus									
	37,38	14	13,14	12	30	22	10	11	13	
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	
MBP64Z	PowerPlex® Y 23									
		14	13,14	12	30	22	10	11	13	
	4sp	16	10	12	19		14	15		24
		11	11	19	17		21	12	11	
MCMDD6	Yfiler™ Plus									
	37,38	14	13,14	12	30	22	10	11	13	
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	
MT87X3	Yfiler™ Plus									
	37,38	14	13,14	12	30	22	10	11	13	
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	
MU6CJ3	Yfiler™ Plus									
	37,38	14	13,14	12	30	22	10	11	13	
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	
NBZGXW	PowerPlex® Y 23									
		14	13,14	12	30	22	10	11	13	
	4sp	16	10	12	19		14	15		24
		11	11	19	17		21	12	11	
NDC7K8	Yfiler™ Plus									
	37,38	14	13,14	12	30	22	10	11	13	
	4sp	16	10	12	19	27	14	15	10	24
	40	11		19	17	19	21		11	

TABLE 2

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 4sp - YSTR Results										
NEKJ2A	PowerPlex® Y 23									
4sp		14	13,14	12	30	22	10	11	13	
	16	10	12	19		14	15		24	
		11	11	19	17		21	12	11	
NRRBMU	Yfiler™									
4sp		14	13,14	12	30	22	10	11	13	
	16	10	12	19		14	15			
							21		11	
NTJCQW	Yfiler™									
4sp		14	13,14	12	30	22	10	11	13	
	16	10	12	19		14	15			
							21		11	
NTQA73	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
NW6A29	PowerPlex® Y 23									
4sp		14	13,14	12	30	22	10	11	13	
	16	10	12	19		14	15		24	
		11	11	19	17		21	12	11	
PK6X68	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
PPK9KV	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
PXTX32	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
QPHWGZ	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
REAQVW	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
RJ6LEW	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
RN4RH3	PowerPlex® Y 23									
4sp		14	13,14	12	30	22	10	11	13	
	16	10	12	19		14	15		24	
		11	11	19	17		21	12	11	

TABLE 2

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 4sp - YSTR Results										
RNYEV7										
4sp		14	13,14	12	30	22	10	11	13	
	16	10	12	19		14	15		24	
		11	11	19	17		21	12	11	
RVMZ3R										
4sp	Yfiler™ Plus	37,38	14	13,14	12	30	22	10	11	13
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
RX7BE3										
4sp	Yfiler™ Plus	37,38	14	13,14	12	30	22	10	11	13
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
T3FRNR										
4sp	Yfiler™ Plus	37,38	14	13,14	12	30	22	10	11	13
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
T4DZYW										
4sp	Yfiler™ Plus	37,38	14	13,14	12	30	22	10	11	13
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
TJ3AGR										
4sp	Yfiler™ Plus	37,[38]	14	13,14	12	30	22	10	11	13
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
TMJCNX										
4sp	Yfiler™ Plus	37,38	14	13,14	12	30	22	10	11	13
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
TP8XBT										
4sp	Yfiler™		14	13,14	12	30	22	10	11	13
	16	10	12	19		14	15			
							21		11	
UB7RJV										
4sp	Yfiler™ Plus	37,38	14	13,14	12	30	22	10	11	13
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
UF2LGW										
4sp	Yfiler™ Plus	37,38	14	13,14	12	30	22	10	11	13
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
UWKCGV										
4sp	Yfiler™ Plus	37,38	14	13,14	12	30	22	10	11	13
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
UXGVHW										
4sp	Yfiler™ Plus	37,38	14	13,14	12	30	22	10	11	13
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results										
VK6WYP	Yfiler™		14	13,14	12	30	22	10	11	13
4sp		16	10	12	19		14	15		
								21		11
VTZR3E	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
W773A2	PowerPlex® Y 23									
4sp		14	13,14	12	30	22	10	11	13	
	16	10	12	19		14	15		24	
		11	11	19	17		21	12	11	
WVQ8P	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
WKPPJY	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
WN6FKN	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
X4B7VR	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
XAFX9V	PowerPlex® Y 23									
4sp		14	13,14	12	30	22	10	11	13	
	16	10	12	19		14	15		24	
		11	11	19	17		21	12	11	
XPFHBT	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
XXQXHT	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
YWUP8N	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
Z9H8FL	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	

TABLE 2

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 4sp - YSTR Results										
ZMZ2PQ	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
ZNX8BQ	Yfiler™ Plus									
4sp	37,38	14	13,14	12	30	22	10	11	13	
	16	10	12	19	27	14	15	10	24	
	40	11		19	17	19	21		11	
ZPMFEZ	PowerPlex® Y 23									
4sp										
ZVU6XU	PowerPlex® Y 23									
4sp		14	13,14	12	30	22	10	11	13	
	16	10	12	19		14	15		24	
		11	11	19	17		21	12	11	

Additional DNA Results

TABLE 3

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

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
D12	9VHHPC								(21)

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
2ARHMP	Yes	Yes	Yes	No	68Q2MN	Yes	Yes	Yes	No
2LLWRT	No Interpretations Reported, DNA Analyzed for Database purposes only.				6DVMT7	Yes	Yes	Yes	No
2MQQ3H	Yes	Yes	Yes	No	6JYL4V	Yes	Yes	Yes	No
2WLM9U	Yes	Yes	Yes	No	6JYT3G	Yes	Yes	Yes	No
2YLTPK	Yes	Yes	Yes	No	6MGWVF	Yes	No Interp	Yes	No
2ZJ2ZP	No Interp	No Interp	Yes	No	6MYXZV	Yes	Yes	Yes	No
3A287R	Yes	Yes	Yes	No	6QPUVG	Yes	Yes	Yes	No
3NHZUY	Yes	Yes	Yes	No	6RJMNE	Yes	Yes	Yes	No
3UUVRG	Yes	Yes	Yes	No	6YFHJR	No Interp	No Interp	No Interp	No Interp
44A8JK	Yes	Yes	Yes	No	6ZCZLT	No Interp	No Interp	No Interp	No Interp
46QFD7	Yes	Yes	Yes	No	76JWWG	Yes	Yes	Yes	No
4AJFUM	Yes	Yes	Yes	No	778HBP	Yes	Yes	Yes	No
4BV6YK	Yes	Yes	Yes	No	7DU69F	Yes	Yes	Yes	No
4C7UHW	Yes	Yes	Yes	No	7E3CJV	Yes	Yes	Yes	No
4PT7NE	Yes	Yes	Yes	No	7ERDJK	No Interp	No Interp	Yes	No
4TCEZL	No Interp	No Interp	Yes	No	7GUG4F	Yes	Yes	Yes	No
4Y3NAJ	Yes	Yes	Yes	No	7HQPEK	No Interp	No Interp	Yes	No
4ZCLVN	Yes	Yes	Yes	No	7KUPBC	Yes	Yes	Yes	No
4ZRWDT	No Interp	No Interp	No Interp	No Interp	7MG4YL	No Interpretations Reported, DNA Analyzed for Database purposes only.			
64AJJL	Yes	Yes	Yes	No	7MY6XG	Yes	Yes	Yes	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
7UGTCJ	Yes	Yes	Yes	No	9998PH	Yes	Yes	Yes	No
7W6VPK	No Interp	No Interp	Yes	No	9PG34B	Yes	Yes	Yes	No
7YAP6G	Yes	Yes	Yes	No	9TYD2F	Yes	Yes	Yes	No
7Z698H	Yes	Yes	Yes	No	9VHHPC	Yes	Yes	Yes	No
7Z7XFL	No Interp	No Interp	Yes	No	9ZHJV2	No Interpretations Reported, DNA Analyzed for Database purposes only.			
7ZLCVH	Yes	Yes	Yes	No	A8WRVG	Yes	Yes	Yes	No
82XJHB	Yes	Yes	Yes	No	AJ334P	Yes	Yes	Yes	No
83VRRF	Yes	Yes	Yes	No	AJNBFE	Yes	Yes	Yes	No
84ZGQJ	Yes	Yes	Yes	No	AV444N	Yes	Yes	Yes	No
86XMBJ	No Interp	No Interp	Yes	No	AXMFNC	Yes	Yes	Yes	No
86XPZN	No Interpretations Reported, DNA Analyzed for Database purposes only.				AYF9GA	Yes	Yes	Yes	No
8FDNHC	Yes	Yes	Yes	No	B3XVPM	Yes	Yes	Yes	No
8GVEGA	Yes	Yes	Yes	No	B92REE	No Interp	No Interp	Yes	No
8KMWUF	Yes	Yes	Yes	No	B94LUE	Yes	Yes	Yes	No
8L6LKM	No Interpretations Reported, DNA Analyzed for Database purposes only.				BF34BC	Yes	Yes	Yes	No
8LK64K	No Interp	No Interp	Yes	No	BGENFE	Yes	Yes	Yes	No
8PF2MJ	Yes	Yes	Yes	No	BJ2A2B	Yes	Yes	Yes	No
8QRKMF	Yes	Yes	Yes	No	BJKBTJ	Yes	Yes	Yes	No
8R3MAE	Yes	Yes	Yes	No	BKALJC	Yes	Yes	Yes	No
8XWFPN	Yes	Yes	Yes	No	BNE6QK	Yes	Yes	Yes	No
972U3A	Yes	Yes	Yes	No	C2HN8C	Yes	Yes	Yes	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
CE7VZ8	Yes	Yes	Yes	No	EMAP86	Yes	Yes	Yes	No
CJ3F7C	Yes	Yes	Yes	No	EN4FCX	Yes	Yes	Yes	No
CMGCCD	No Interp	No Interp	Yes	No	ENMFWF	Yes	Yes	Yes	No
CXJFWB	Yes	Yes	Yes	No	EPDRM9	Yes	Yes	Yes	No
CZPXV7	Yes	Yes	Yes	No	EWXHHF	Yes	Yes	Yes	No
D4L7E7	Yes	Yes	Yes	No	FCPZL6	Yes	Yes	Yes	No
D8GUVD	Yes	Yes	Yes	No	FHUNF6	Yes	Yes	Yes	No
DA72FB	Yes	Yes	Yes	No	FKHAUE	Yes	Yes	Yes	No
DCAYMW	Yes	Yes	Yes	No	FP9LPB	Yes	Yes	Yes	No
DD83KE	No Interp	No Interp	Yes	No	FQQE6M	Yes	Yes	Yes	No
DEXFW6	Yes	Yes	Yes	No	FU69M6	Yes	Yes	Yes	No
DLYML7	Yes	Yes	Yes	No	FWE4J6	Yes	Yes	Yes	No
DPLZPH	No Interp	No Interp	No Interp	No Interp	FYLCUB	Yes	Yes	Yes	No
DTJN2H	Yes	Yes	Yes	No	FZAXG7	Yes	Yes	Yes	No
E2AQJK	Yes	Yes	Yes	No	FZDEE6	Yes	Yes	Yes	No
E6UF84	Yes	Yes	Yes	No	G48V64	Yes	Yes	Yes	No
EBYEF9	Yes	Yes	Yes	No	G4QU79	Yes	Yes	Yes	No
ECUWHA	Yes	Yes	Yes	No	G86GV7	Yes	Yes	Yes	No
ECWMQD	No Interp	No Interp	Yes	No	GAECL6	Yes	Yes	Yes	No
EG43AA	Yes	Yes	Yes	No	GE9CZZ	No Interp	No Interp	Yes	No
EJPZJL	Yes	Yes	Yes	No	GF324U	No Interpretations Reported, DNA Analyzed for Database purposes only.			

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
GGXK7V	Yes	Yes	Yes	No	KE3WK6	No Interp	No Interp	Yes	No
GHPE87	Yes	Yes	Yes	No	KEFRL4	Yes	Yes	Yes	No
GL7489	Yes	Yes	Yes	No	KK68AB	Yes	Yes	Yes	No
GM4CGD	No Interpretations Reported, DNA Analyzed for Database purposes only.				KN87PA	No Interpretations Reported, DNA Analyzed for Database purposes only.			
GRWDG8	Yes	Yes	Yes	No	KTU386	Yes	Yes	Yes	No
H6XAEY	Yes	Yes	Yes	No	KUCRT7	Yes	Yes	Yes	No
H8MHKU	Yes	Yes	Yes	No	KWH8BA	No Interpretations Reported, DNA Analyzed for Database purposes only.			
HBNLCG	No Interp	No Interp	No Interp	No Interp	KZUF89	Yes	Yes	Yes	No
HFMVP4	Yes	Yes	Yes	No	L2KXNZ	Yes	Yes	Yes	No
HHJNC8	Yes	Yes	Yes	No	L32UGZ	Yes	Yes	Yes	No
HJF8D9	Yes	Yes	Yes	No	L3H7Y6	No Interp	No Interp	Yes	No
HQXQG9	No Interp	No Interp	Yes	No	LD3KVF	Yes	Yes	Yes	No
J4J6G2	Yes	Yes	Yes	No	LFPYJP	Yes	Yes	Yes	No
JHJ43D	Yes	Yes	Yes	No	LKJZL4	Yes	Yes	Yes	No
JLHM2Q	Yes	Yes	Yes	No	LTBEMP	Yes	Yes	Yes	No
JMFMA3	Yes	Yes	Yes	No	LVFYFV	No Interp	No Interp	Yes	No
K97JA2	Yes	Yes	Yes	No	LVYVWX	Yes	Yes	Yes	No
KA7CCF	Yes	Yes	Yes	No	LWAPJP	Yes	Yes	Yes	No
KBGCE2	Yes	Yes	Yes	No	M62KXY	Yes	Yes	Yes	No
KCA69Y	Yes	Yes	Yes	No	MBP64Z	Yes	Yes	Yes	No
KD7MAZ	Yes	Yes	Yes	No	MCMDD6	No Interp	No Interp	Yes	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
MT87X3	Yes	Yes	Yes	No	PXTX32	No Interp	No Interp	Yes	No
MT949X	Yes	Yes	Yes	No	Q3ULRU	Yes	Yes	Yes	No
MTNHG8	No Interpretations Reported, DNA Analyzed for Database purposes only.				Q9R2Z3	Yes	Yes	Yes	No
MU6CJ3	No Interp	No Interp	Yes	No	QHEYR9	Yes	Yes	Yes	No
N2WGL3	Yes	Yes	Yes	No	QPHWGZ	No Interp	No Interp	Yes	No
NBK87A	No Interp	No Interp	No Interp	No Interp	QTDUMH	No Interp	No Interp	Yes	No
NBZGXW	Yes	No Interp	Yes	No	QY43AX	Yes	Yes	Yes	No
NDC7K8	Yes	Yes	Yes	No	R4TWQV	Yes	Yes	Yes	No
NEKJ2A	Yes	Yes	Yes	No	R9B494	Yes	Yes	Yes	No
NEPVP7	No Interp	No Interp	No Interp	No Interp	RDZNAX	Yes	No	Yes	No
NKUGVN	Yes	Yes	Yes	No	REAQWV	Yes	Yes	Yes	No
NRRBMU	Yes	Yes	Yes	No	RF79XX	Yes	Yes	No	No
NTJCQW	Yes	Yes	Yes	No	RFNCA6	No Interp	No Interp	No Interp	No Interp
NTQA73	Yes	Yes	Yes	No	RJ6LEW	Yes	Yes	Yes	No
NUEVTX	Yes	Yes	Yes	No	RN4RH3	Yes	Yes	Yes	No
NW66Q7	No Interpretations Reported, DNA Analyzed for Database purposes only.				RNYEV7	Yes	Yes	Yes	No
NW6A29	Yes	Yes	Yes	No	RQ8RC8	Yes	Yes	Yes	No
P9XTGY	Yes	Yes	Yes	No	RRFNZW	Yes	Yes	Yes	No
PCW4DY	Yes	Yes	Yes	No	RVMZ3R	Yes	Yes	Yes	No
PK6X68	Yes	Yes	Yes	No	RX7BE3	Yes	Yes	Yes	No
PPK9KV	Yes	Yes	Yes	No	T3FRNR	Yes	Yes	Yes	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
T4DZYW	No Interp	No Interp	Yes	No	VYQ67N	Yes	Yes	Yes	No
TDY47V	Yes	Yes	Yes	No	W773A2	Yes	Yes	Yes	No
TJ3AGR	Yes	Yes	Yes	No	WFBVQ8P	Yes	Yes	Yes	No
TMJCNX	Yes	Yes	Yes	No	WKPPJY	Yes	Yes	Yes	No
TP8XBT	Yes	Yes	Yes	No	WN6FKN	Yes	Yes	Yes	No
TTQ3PH	Yes	Yes	Yes	No	WUA4EN	Yes	Yes	Yes	No
UB7RJV	No Interp	No Interp	Yes	No	WVJ76U	Yes	Yes	Yes	No
UF2LGW	No Interp	No Interp	Yes	No	X4B7VR	Yes	Yes	Yes	No
ULLGHZ	No Interpretations Reported, DNA Analyzed for Database purposes only.				X9PGD2	Yes	Yes	Yes	No
UPKXQN	Yes	Yes	Yes	No	XAFX9V	Yes	Yes	Yes	No
UQENVG	Yes	Yes	Yes	No	XDM366	Yes	Yes	Yes	No
UT9CFX	Yes	Yes	Yes	No	XFAWMQ	No Interp	No Interp	No Interp	No Interp
UWKCGV	No Interp	No Interp	Yes	No	XNKY9R	No Interp	No Interp	No Interp	No Interp
UXGVHW	No Interp	No Interp	Yes	No	XPFHBT	No Interp	No Interp	Yes	No
UXZQVR	Yes	Yes	Yes	No	XPRF2V	Yes	Yes	Yes	No
V8GP7U	Yes	Yes	Yes	No	XWCLPP	Yes	Yes	Yes	No
VBKH2E	No Interpretations Reported, DNA Analyzed for Database purposes only.				XXQXHT	No Interp	No Interp	Yes	No
VK6WYP	Yes	No Interp	Yes	No	YECNDL	Yes	Yes	Yes	No
VTZR3E	Yes	Yes	Yes	No	YKDZ9H	No Interp	No Interp	Yes	No
VUBWF3	No Interp	No Interp	No Interp	No Interp	YM3AED	No Interp	No Interp	No Interp	No Interp
VUYTBR	Yes	Yes	Yes	No	YWUP8N	Yes	Yes	Yes	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
Z9H8FL	Yes	Yes	Yes	No					
ZMZ2PQ	Yes	Yes	Yes	No					
ZNWAZV	No Interpretations Reported, DNA Analyzed for Database purposes only.								
ZNX8BQ	No Interp	No Interp	Yes	No					
ZPMFEZ	Yes	Yes	Yes	No					
ZRVX9P	Yes	Yes	Yes	Inc					
ZT7RUH	Yes	Yes	Yes	No					
ZVU6XU	Yes	Yes	Yes	No					

DNA Interpretation				
Response Summary	Participants reporting DNA results: 258			
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	201	197	231	0
No	0	1	1	231
Inc	0	0	0	1
No Interpretation	43	46	12	12
No Response	0	0	0	0

Participants analyzing DNA for database purposes only: 14

Additional Comments

TABLE 5

WebCode	Additional Comments
2LLWRT	The examiner is only competent in DNA lab work for known reference standards. Unknown samples were not tested and no interpretation was performed.
4AJFUM	NR = No Results. STRmix analysis was conducted on this test. Reported data is from analysis using GeneMapper ID-X.
4TCEZL	Testing/Comparison was not performed on Victim (Item 1) due to being identified as female in the scenario and the item description, as testing was performed using the Yfiler Plus amplification kit.
4Y3NAJ	N/A = Not Applicable
4ZRWDT	Test participant functions as a Y-screen analyst. Interpretations not reported.
68Q2MN	NR = No Result.
6JYT3G	[Item 4sp]: -In D2S1338 marker, additional allele activity is observed (22).
6MGWVF	A differential extraction was performed on Item 4. Item 4 EF resulted in an indistinguishable mixture. Item 4 SF resulted in a single source, male profile. Items 1 and 2 are both excluded as contributors to Item 4 SF.
6YFHJR	Test participant functions as a Y-screen technician and does not perform interpretations.
6ZCZLT	Test participant functions as a Y-screen analyst and does not perform interpretations.
7E3CJV	1.- Genetic profile was obtained from item 1, with 21 loci and amelogenin indicating female (X,X). 2.- Genetic profile was obtained from item 2, with 23 loci and amelogenin indicating male (X,Y). 3.- Genetic mixture profile was obtained from the item 3, questioned blood stain from the suspect's bedsheet (pink), with 23 loci and amelogenin (X,Y). 4.--Given the genetic results obtained, it is 42, 690, 000, 000, 000, 000, 000 times more likely to explain them if the genetic mixture profile obtained from item 3 come from item 1 (victim) and item 2 (suspect), which, if it come from another two people, do not related, unsampled and taken at random from the population. 5.- Genetic mixture profile was obtained from the item 4, questioned blood and semen stain from victim's underwear (yellow), with 23 loci and amelogenin (X,Y). 6.- Given the genetic results obtained of item 4 is excluded of be the contributor of such genetic profile the item 2 (suspect).
7Z698H	CTS allele tables added by automatic upload.
83VRRF	N/A = not applicable
84ZGQJ	NR = No Results. The data reported out in this test is from analysis using GeneMapper ID-X. STRmix analysis was conducted on this test.
86XPZN	NR = No Result. No comparisons performed.
8GVEGA	ITEM 1 and ITEM 2: Chelex DNA extraction method was performed. ITEM 3: Automated extraction (QIAAsymphony-magnetic particle technology-) was performed. ITEM 4: Automated extraction (QIAAsymphony-magnetic particle technology-) was performed. - An unknown DNA male profile was obtained from sperm fraction (4sp). - A mixture DNA profile was obtained from ephitelial fraction (4e). This DNA mixture consist from both victim DNA profile -ITEM 1- and the unknown DNA male profile found on -ITEM 4, sperm fraction (4sp)-.
8L6LKM	NR = No Results. No comparisons performed.

TABLE 5

WebCode	Additional Comments
972U3A	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 (differential extraction) were extracted using QIASymphony extraction method. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1 and Item 2 (GlobalFiler Express Kit), Item 3 and Item 4 (GlobalFiler kit). Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2, Item 3 and Item 4 (Y-Filer kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis, and all gave intended results. NM: Non-male profile.
9VHHPC	Item 3 - Although no preferential extraction, DNA result can be entirely accounted for by Suspect and Victim. Item 4 - An Unknown Male has been detected in the seminal fraction. Cellular fraction entirely accounted for by the Victim and the Unknown Male.
AJ334P	STRmix analysis was conducted on this test.
B94LUE	NR = no results. STRmix analysis was conducted on this test. Reported data is from analysis using GeneMapper ID-x.
BF34BC	N/A: Not Applicable
BGENFE	NR = No Results. Data reported is from analysis using GeneMapper ID-x. STRmix analysis was performed on this test.
C2HN8C	NA=not applicable
CJ3F7C	NA= Not applicable
CMGCCD	"No Interpretation" selected for comparison of Item 1 to each Item 3 and 4 since Item 1 was a female known reference sample and was thus not amplified using Yfiler Plus during this test.
CXJFWB	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification.
DCAYMW	Possible elevated stutter and possible drop in left in because of STRmix analysis.
DEXFW6	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 was extracted using QIASymphony DNA Investigator KIT via QIASymphony SP. Item 4 was extracted using QIASymphony DNA Investigator KIT via QIASymphony SP (differential extraction method). Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, 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.
DPLZPH	NR = No Result. No comparisons performed.
E2AQJK	1. STRmix analysis was conducted on this test. 2. Item 3 was extracted via a differential separation, per laboratory protocol. No DNA was detected in the sperm fraction; the report will reflect the non-sperm fraction only.
EG43AA	In sample ITEM4, in addition to the victim's biological traces (ITEM1), there was also a component originating from an unknown male individual, the donor of the seminal fluid. Despite the fact that the sample was not isolated using differential lysis, we obtained very high-quality DNA, as the aforementioned male component is quantitatively prominent, which allowed us to fully extract and determine his DNA profile.

TABLE 5

WebCode	Additional Comments
EN4FCX	STRmix was used; therefore, stutter peaks were left in the questioned samples for analysis.
FWE4J6	ITEM 3 - mixed DNA profile obtained which can be explained by the presence of DNA from Victim (Item 1) and Suspect (Item 2). ITEM 4 - mixed DNA profile obtained which can be explained by the presence of DNA from Victim (Item 1) and an unknown male.
FYLCUB	N/R = No Results. Samples analyzed and reported using Genemapper ID-X. STRmix analysis was conducted on this test.
FZAXG7	Extraction: Item 3 was extracted using Automated ABI PrepFiler Express. Item 4 was extracted using Chelex Differential Extraction. Quantification: Item 3 and Item 4 were quantified using the Quantifiler Human DNA quantitation kit and carried out by QuantStudio™ 5 Real-Time PCR. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express Kit on 9700 GeneAmp PCR System. Item 3 and Item 4 were amplified using GlobalFiler Kit on 9700 GeneAmp PCR System. Item 2, Item 3 and Item 4 were amplified using AMPFISTR Yfiler Kit on 9700 GeneAmp PCR System. Electrophoresis: The electrophoresis process was carried out by Genetic Analyser 3500xl for Item 1 to Item 4. 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.
G48V64	Full major DNA profile from Unknown one (male) obtained from seminal fraction of ITEM4.
G4QU79	NR=No Results. STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GeneMapper ID-X.
GAECL6	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification.
GE9CZZ	Only performed Ys. Autosomal testing done during other proficiency test.
GHPE87	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. Powerplex Fusion 6C is used only for allele verification.
GL7489	NR = no results. STRmix analysis was conducted on this test. The data reported is from analysis using GeneMapper ID-X for PowerPlex Fusion and GlobalFiler Express. Known reference sample data is reported using GlobalFiler Express chemistry. Questioned sample data is reported using PowerPlex Fusion chemistry. Items 1, 2, 3, and 4 were analyzed using PowerPlex Fusion 5C. Items 2, 3, and 4 were analyzed using Yfiler Plus. Items 1, 2, and 3 were analyzed using GlobalFiler Express on RapidHIT ID. Items 1 and 2 used an ACE sample cartridge. Item 3 used an INTELPlus cartridge.
GM4CGD	NR = No Results. No comparisons performed.
HBNLCG	Test participant functions as a Y-screen analyst and does not perform interpretations.
HFMVP4	Item 4 sp: 29.2 observed at SE33 was considered elevated N+4 stutter.
JMFMA3	N/A = Not Applicable
K97JA2	1. Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using Chelex extraction method. 2. Item 3 and Item 4 were quantified using Quantifiler Human Quantification kit on the Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 system. 3. Item 1 and Item 2 were amplified using Globalfiler Express PCR Amplification kit while Item 3 and Item 4 were amplified using 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 AmpFLSTR Y-Filer PCR Amplification kit on the 9700 GeneAmp PCR system. 4. Electrophoresis was carried out on the Applied Biosystems 3500xl Genetic Analyzer and results were analyzed using GeneMapper ID-X software for Item 1, Item 2, Item 3 and Item 4. 5. Reagent blank, positive control and negative control were analyzed throughout the analysis and all gave the intended results. 6. NM = non male profile.
KA7CCF	STRmix analysis was conducted on this test. Item 3 was extracted via differential separation, per laboratory protocol. The sperm fraction was stopped at quant due to insufficient human DNA, so not suitable for further testing. The report will reflect the non-sperm fraction (epi-fraction) only.
KD7MAZ	NR = No DNA Results

TABLE 5

WebCode	Additional Comments
KN87PA	NR=No Results. No comparisons performed.
KWH8BA	NR = No Results. No comparisons performed.
L2KXNZ	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. Powerplex Fusion 6C is used only for allele verification.
LVFYFV	I did not perform regular STR testing because I already proficiency tested in the GlobalFiler chemistry for the year. I only performed Y-STR testing in this case so no interpretation for Item 1 was needed.
LVYVWX	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 (differential extraction) were extracted using QIASymphony extraction method. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification Kit on ABI Quantstudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for item 1 and Item 2 (GlobalFiler Express Kit), Item 3 and Item 4 (GlobalFiler kit). Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for item 2, item 3 and Item 4 (Y-Filer kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM : non-male profile.
LWAPJP	Possible elevated stutter and possible drop in left in because of STRmix analysis.
M62KXY	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification.
MT87X3	NR=no results. STRmix analysis was conducted on this test. Data reported out in this test is from analysis using Genemapper ID-X.
MT949X	NR= no DNA result
MTNHG8	NR = no results. No comparisons performed.
NBK87A	Test participant functions as a Y-screen technician and does not perform interpretations.
NBZGXW	Item 3 epithelial fraction not interpreted following lab policy due to indistinguishable profile being present.
NEPVP7	NR = No Result
NRRBMU	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 was extracted using QIASymphony DNA Investigator KIT via QIASymphony SP. Item 4 was extracted using QIASymphony DNA Investigator KIT via QIASymphony SP (differential extraction method). Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, 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.

TABLE 5

WebCode	Additional Comments
NTJCQW	Extraction: -Item 1 and Item 2 were punched using 1.2 mm size puncher and the FTA disc was subjected for direct amplification. -Item 3 was extracted using the Automate Express by Prepfil Express kit. -Item 4 was extracted using the Chelex extraction method. Quantification: Item 3, Item 4(bs), Item 4(sp) and Item 4(epi) were quantified using the Applied Biosystems Quantifiler Trio DNA Quantification Kit on QuantStudio 5 Real-Time PCR. Amplification: -Item 1 and Item 2 were amplified using the GlobalFiler Express Amplification Kit. -Item 3, Item 4(bs), Item 4(sp) and Item 4(epi) were amplified using the GlobalFiler Amplification Kit. -Item 2, Item 3, Item 4(bs), Item 4(sp) and Item 4(epi) were amplified using the Y-Filer Kit. -All amplifications were performed on Proflex PCR System. Electrophoresis: -All amplified products were run on the Genetic Analyzer 3500. Quality Control: -Reagent blank, positive control and negative control were carried out throughout the analysis and all gave the intended results. Remarks: NM: Non-male profile.
NTQA73	e = F. sp = M. NR = no results. Items 1, 2, 3, and 4 were analyzed using PowerPlex Fusion. Items 2, 3, and 4 were analyzed using Yfiler Plus. Items 1 and 2 were analyzed using GlobalFiler Express on RapidHIT ID using ACE sample cartridges. Item 3 was analyzed using GlobalFiler Express on RapidHIT ID using INTELPlus sample cartridges. Data for items 3 and 4 were reported using Powerplex Fusion. Data for items 1 and 2 were reported using GlobalFiler Express. Data reported out in this test is from analysis using GeneMapper ID-X. STRmix analysis was conducted on this test.
NW66Q7	NR= No results. No comparisons performed.
QHEYR9	STRmix analysis was conducted on this test.
QTDUMH	Full interpretation was only done for Y amplifications. Victim (Item 1) is female, therefore there was no Y profile for comparison for Item 1.
R4TWQV	N/A=not applicable
R9B494	Item 4 Y-screen results were positive for male DNA. Y-screen testing was not performed for item 3.
RFNCA6	Test participant functions as a Y-screen analyst. Interpretations not reported.
RN4RH3	NR = No Result
RQ8RC8	STRmix analysis was conducted on this test.
T3FRNR	NR = No DNA Result
TDY47V	N/A = not applicable
TJ3AGR	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. Powerplex Fusion 6C is used only for allele verification.
TMJCNX	NR= No Results. Items 1, 2, 3, and 4 were analyzed using PowerPlex Fusion 5C. Items 2, 3, and 4 were analyzed using Yfiler Plus. Items 1 and 2 were also analyzed using GlobalFiler Express on RapidHIT ID using ACE sample cartridges. Item 3 was also analyzed using GlobalFiler Express on RapidHIT ID using an INTELPlus sample cartridge. Autosomal data reported out for Items 1 and 2 using GlobalFiler Express and Items 3 and 4 using PowerPlex Fusion 5C. Data reported out in this test is from analysis using GeneMapper ID-X. STRmix analysis was conducted on this test.
TP8XBT	Extraction: Item 3 and Item 4 were extracted using Chelex extraction method. Quantification: Item 3 and Item 4 were quantified using the Applied Biosystems™ Quantifiler™ Human DNA Quantification Kit on the Applied Biosystems™ Quantstudio™ 5 Real-Time PCR System. Amplification: Using the in-situ method, Item 1 and Item 2 were amplified using the Applied Biosystems™ GlobalFiler™ Express PCR Amplification Kits on the Applied Biosystems™ ProFlex™ 96-well PCR System. Item 2 was also amplified using the AmpFLSTR YFiler™ PCR Amplification Kit on the Applied Biosystems™ GeneAmp™ PCR System 9700. Item 3 and Item 4 were amplified using the Applied Biosystems™ GlobalFiler™ and AmpPLSTR YFiler™ PCR Amplification kits on the Applied Biosystems™ GeneAmp™ PCR System 9700. Electrophoresis: Electrophoresis was carried out on the Applied Biosystems™ 3500xL Genetic Analyzer and the data were analyzed with the 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.

TABLE 5

WebCode	Additional Comments
ULLGHZ	NR = No Result. No comparisons performed.
UQENVG	Possible elevated stutter and drop-in were left in because of STRmix analysis.
UWKCGV	Item 1 was not tested due to being from a female and only YSTRs being conducted.
UXGVHW	Item 1 was not extracted as this PT was analyzed with Yfiler Plus.
VK6WYP	Item 3 epithelial fraction not interpreted following lab policy due to indistinguishable profile present.
VUBWF3	Test participant functions as a Y-screen analyst and does not perform interpretations.
VUYTBR	N/A = Not Applicable
X4B7VR	Item 04 epithelial fraction - TPOX allele 10 is most likely elevated stutter. For mixtures, we normally leave elevated stutter in the original interpretation as STRmix will model stutter using an .hid file with no stutter filters.
X9PGD2	STRmix analysis was conducted on this test.
XAFX9V	NR = No Result
XFAWMQ	Differential extraction conducted on Item 4 based on case scenario and serology provided. General extraction conducted on item 3 based on case scenario and serology provided. PowerPlex Fusion 6C sample processing was conducted on item 1, item 2, item 3, and item 4. Autosomal analysis and interpretation were not conducted on item 3 and item 4. No comparisons to evidence were made. NID = No Interpretable Data.
XNKY9R	PowerPlex Fusion 6C sample processing was conducted on Item 3 and Item 4. Autosomal analysis and interpretation were not conducted. Therefore, no comparison to evidence was made. A differential extraction was performed on Item 4. NID = No Interpretable Data.
YKDZ9H	Only Y-STR testing was performed.
YM3AED	The scientist assigned to this proficiency test is qualified in extraction through CE and not in data analysis for casework samples. Data was analyzed by a second scientist to confirm correct results were obtained.
YWUP8N	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. Powerplex Fusion 6C is used only for allele verification.
ZMZ2PQ	Item 1, Item 2, Item 3, and Item 4 were analyzed using PowerPlex Fusion. Item 2, Item 3, and Item 4 were analyzed using Yfiler Plus. Item 1 and 2 were also analyzed using GlobalFiler Express on RapidHIT ID using the ACE sample cartridge. Item 3 was also analyzed using GlobalFiler Express on RapidHIT ID using the INTELPlus sample cartridge. Autosomal data for Item 3 and Item 4 is reported using PowerPlex Fusion. Autosomal data for Item 1 and Item 2 is reported using Globalfiler Express. NR = No Results. STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
ZNWAZV	NR = No Results. No comparisons performed.
ZVU6XU	NR=No Result

-End of Report-
(Appendix may follow)

Test No. 25-5806: DNA-Mixture

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

Participant Code: U1234A

WebCode: EKM9UQ

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. According to the victim, she had been drinking at the suspect's house the previous night. The victim stated that she fell asleep and did not recall anything further until she awoke in the suspect's bed, wearing only her underwear. The victim also noted multiple bruises and abrasions on her arms and legs. Police are submitting to your laboratory a stain from the suspect's bedsheet (Item 3) and a stain from the underwear the victim was wearing (Item 4) at the time of the assault. Screening tests have been performed on both samples with the following results: Item 3 (suspect's bedsheet) is positive for blood, and Item 4 (victim's underwear) is positive for 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 S6):

Item 1: Known blood from the female victim

Item 2: Known blood from the male suspect

Item 3: Questioned blood stain from suspect's bedsheet (pink)

Item 4: Questioned blood and semen stain from victim's underwear (yellow)

Part I: DNA Results for Known Item 1

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

STR Amplification Kit(s) Used:

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

☐ Identifiler® ☐ GlobalFiler™ ☐ Investigator® 24plex

☐ PowerPlex® Other

Report the Probabilistic Genotyping Software Used (if applicable):

Alleles below are sorted in **Default** order.

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

Part I (continued): DNA Analysis - Additional DNA

- Use this section to report results for loci not currently listed in other sections of the data sheet.
- Report alleles in numerical order, separated by a comma.
- If your laboratory policy is to indicate minor or weaker alleles, please enclose them within brackets [].
- Click "Add Row" to show another row of boxes for entry.

Did you perform a differential extraction of Item 3? Yes ☐ No ☐

Did you perform a differential extraction of Item 4? Yes ☐ No ☐

Locus	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp

Part II: DNA INTERPRETATION

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

<u>Victim (Item 1)</u>			<u>Suspect (Item 2)</u>		
	Item 3	Item 4		Item 3	Item 4
Yes	☐	☐	Yes	☐	☐
No	☐	☐	No	☐	☐
Inconclusive	☐	☐	Inconclusive	☐	☐
No Interpretation	☐	☐	No Interpretation	☐	☐

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

Part III: ADDITIONAL COMMENTS

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

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

RELEASE OF DATA TO ACCREDITATION BODIES

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

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

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

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

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

ANAB Certificate No.

A2LA Certificate No.

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

Authorized Contact Person and Title

Laboratory Name

Location (City/State)