



DNA-Blood Test No. 25-5803

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 134 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	Male	Victim
2	Known	FTA™ Micro Card	Blood	75 µL	Female	Suspect
3	Questioned	Pink Fabric	Blood	50 µL	Male	Victim
4	Questioned	Yellow Fabric	Blood	50 µL	Female	Suspect

Manufacturer's Information, continued

Amelogenin and STR Results

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

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	
1	12,18.3	17,17	13,14	14,17	11,12	11,11
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16	2	
2	11,13	17,21	12,14	16,17	12,12	15,17
	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	X,X	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16,16	NM	NM	NM	NM	
3	12,18.3	17,17	13,14	14,17	11,12	11,11
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16	2	
4	11,13	17,21	12,14	16,17	12,12	15,17
	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	X,X	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16,16	NM	NM	NM	NM	

YSTR Results

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

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
1	35,36	16	12,12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
	36	12	10	20	16	21	21	12	12
3	35,36	16	12,12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
	36	12	10	20	16	21	21	12	12

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

Summary Comments

This test was designed to allow participants to assess their proficiency in the analysis and comparison of dried stains, where participants are advised of the body fluid(s) present in the questioned stains. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Item 1 and Item 3 were created using blood from the same male donor. Item 2 and Item 4 were created using blood from the same female donor. Refer to the Manufacturer's Information for preparation details.

Data were returned by 134 participants.

DNA Analysis

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

For YSTR results, all participants reported consistent results.

DNA Interpretations

Of the 134 participants that returned DNA results, 118 reported DNA interpretations for both questioned stains. One participant selected the "No Interpretation" option for each conclusion, and fifteen stated the samples were analyzed for database purposes only.

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

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

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

2G73MJ	FlexPlex27					
		12,18.3	17,17	13,14	14,17	11,12
	1	8,9	13,13	14,15	18,20	11,12
		14,20	15,15	28,30	14,15	X,Y
		23,24		11,14	26.2,27.2	6,9.3
		16,19	10	20	16	8,8
2QWNTG	PowerPlex® 21					
		12,18.3	17,17		14,17	11,12
	1	8,9	13,13		18,20	11,12
		14,20	15,15	28,30		X,Y
		23,24	12,13	11,14		6,9.3
		16,19				8,8
2TJAJJ	GlobalFiler™					
		12,18.3	17	13,14	14,17	11,12
	1	8,9	13	14,15	18,20	11,12
		14,20	15	28,30	14,15	X,Y
		23,24			26.2,27.2	6,9.3
		16,19	10			8
2YQQYY	PowerPlex® Fusion 6C					
		12,18.3	17,17	13,14	14,17	11,12
	1	8,9	13,13	14,15	18,20	11,12
		14,20	15,15	28,30	14,15	X,Y
		23,24	12,13	11,14	26.2,27.2	6,9.3
		16,19	10	20	16	8,8
33Q6HH	FlexPlex 27					
		12,18.3	17,17	13,14	14,17	11,12
	1	8,9	13,13	14,15	18,20	11,12
		14,20	15,15	28,30	14,15	X,Y
		23,24		11,14	26.2,27.2	6,9.3
		16,19	10	20	16	8,8
3FCCG6	PowerPlex® Fusion 6C					
		12,18.3	17,17	13,14	14,17	11,12
	1	8,9	13,13	14,15	18,20	11,12
		14,20	15,15	28,30	14,15	X,Y
		23,24	12,13	11,14	26.2,27.2	6,9.3
		16,19	10	20	16	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 1 - STR Results

3K7EJJ	FlexPlex 27					
	12,18.3	17,17	13,14	14,17	11,12	11,11
1	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24		11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16		
4N72DY	GlobalFiler™ (STRmix)					
	12,18.3	17	13,14	14,17	11,12	
1	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
6F2NNF	PowerPlex® Fusion 5C					
	12,18.3	17	13,14	14,17	11,12	
1	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14		6,9.3	8
	16,19	10				
6NVUHG	GlobalFiler™ Express					
	12,18.3	17	13,14	14,17	11,12	
1	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
6PG7P3	PowerPlex® Fusion 6C					
	12,18.3	17	13,14	14,17	11,12	
1	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
6UPRBE	PowerPlex® Fusion 6C					
	12,18.3	17	13,14	14,17	11,12	
1	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
6UQJ72	PowerPlex® Fusion 6C					
	12,18.3	17	13,14	14,17	11,12	
1	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		

TABLE 1

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

Item 1 - STR Results

6VKACF	GlobalFiler™					
1	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
6X7W3H	PowerPlex® Fusion 6C (STRmix 2.9.0)					
1	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
748UQC	PowerPlex® Fusion 6C					
1	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16		
7CLCRY	GlobalFiler™					
1	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
7FNDRW	GlobalFiler™					
1	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
7KFGKZ	PowerPlex® Fusion 6C					
1	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
7LA8QE	GlobalFiler™					
1	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	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 1 - STR Results

7PAL9D	GlobalFiler™				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
8GBBJZ	PowerPlex® Fusion 6C				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14	26.2,27.2	6,9.3
	16,19	10	20	16	
8Z4C9B	PowerPlex® 21 (STRmix)				
1	12,18.3	17,17		14,17	11,12
	8,9	13,13		18,20	11,12
	14,20	15,15	28,30		X,Y
	23,24	12,13	11,14		6,9.3
	16,19				8,8
97NU2C	PowerPlex® Fusion 6C				
1	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24	12,13	11,14	26.2,27.2	6,9.3
	16,19	10	20	16	
99DZNU	GlobalFiler™ (STRmix)				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
9KRV4U	GlobalFiler™				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
9VN77A	PowerPlex® Fusion 6C				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14	26.2,27.2	6,9.3
	16,19	10	20	16	

TABLE 1

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

Item 1 - STR Results

A8W4UA PowerPlex® Fusion 6C						
1	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
AAJPKC GlobalFiler™ Express						
1	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
ABWEPA GlobalFiler™ Express						
1	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
AEEJHD						
1	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
AUCNQB PowerPlex® Fusion 6C (STRmix)						
1	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
AWDRFC PowerPlex® Fusion 6C						
1	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16		
AWYAGC GlobalFiler™ Express						
1	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	

TABLE 1

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

Item 1 - STR Results

BEBVCB	PowerPlex® Fusion 6C					
	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16		
BJH3TB	PowerPlex® Fusion 5C					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14		6,9.3	8
	16,19	10				
C4998T	GlobalFiler™ (STRmix 2.7)					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
CF3PWU	PowerPlex® Fusion 6C					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
CKBBJ7	PowerPlex® 21					
	12,18.3	17,17		14,17	11,12	11,11
	8,9	13,13		18,20	11,12	10,12
	14,20	15,15	28,30		X,Y	11,14
	23,24	12,13	11,14		6,9.3	8,8
	16,19					
CNTFBA	GlobalFiler™ Express					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
CNXWA9	PowerPlex® Fusion					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14		6,9.3	8
	16,19	10				

TABLE 1

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

Item 1 - STR Results

CQJGEC	GlobalFiler™ (STRmix)					
1	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
CXMFUW	PowerPlex® Fusion 5C					
1	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14		6,9.3	8
	16,19	10				
CYG839	GlobalFiler™					
1	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
CYHYXV	PowerPlex® Fusion 6C					
1	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
D3CFMU	PowerPlex® Fusion 6C					
1	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
D7TPU7	PowerPlex® Fusion 6C					
1	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16		
DBLRY7	GlobalFiler™					
1	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	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 1 - STR Results

DCZ9X6	PowerPlex® 21				
1	12,18.3	17,17		14,17	11,12
	8,9	13,13		18,20	11,12
	14,20	15,15	28,30		X,Y
	23,24	12,13	11,14		6,9.3
	16,19				8,8
DEMUN8	PowerPlex® Fusion				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14		6,9.3
	16,19	10			8
DJYVQQ	GlobalFiler™				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8
DMWGF9	PowerPlex® Fusion 6C				
1	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24	12,13	11,14	26.2,27.2	6,9.3
	16,19	10	20	16	8,8
DP7826	GlobalFiler™				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8
DT6HX6	GlobalFiler™				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8
DTPGWN	GlobalFiler™				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8

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

DU22Y7	GlobalFiler™					
	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
E82CPQ	GlobalFiler™					
	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
EMB6B8	PowerPlex® Fusion 6C					
	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16		
EWYYM6	GlobalFiler™					
	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
F6RTX8	GlobalFiler™					
	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
FRZZR7	PowerPlex® Fusion 6C					
	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16		
FVP8EN	GlobalFiler™ (STRmix)					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	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 1 - STR Results

G3HYX2	PowerPlex® 21				
1	12,18.3	17,17		14,17	11,12
	8,9	13,13		18,20	11,12
	14,20	15,15	28,30		X,Y
	23,24	12,13	11,14		6,9.3
	16,19				8,8
G66KN4	PowerPlex® Fusion 5C				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14		6,9.3
	16,19	10			8
G7J2PN	PowerPlex® Fusion				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14		6,9.3
	16,19	10			8
G8DTV3	GlobalFiler™				
1	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8,8
GF8V2K	GlobalFiler™				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8
GMKUP4	PowerPlex® Fusion				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14		6,9.3
	16,19	10			8
GN3ZUL	GlobalFiler™ (STRmix)				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8

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

H9JHU6	Rapid Intel Plus					
1	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
HDVM66	GlobalFiler™					
1	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
J8N96L	GlobalFiler™					
1	12,18.3	17,17	13,14	14,17	11,12	--
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24	--	--	26.2,27.2	6,9.3	8,8
	16,19	10	--	--	2	
JEJFHZ	PowerPlex® Fusion					
1	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14		6,9.3	8
	16,19	10				
JKAN9L	GlobalFiler™					
1	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
JN9Z4L	GlobalFiler™					
1	12,18.3	17,17	13,14	14,17	11,12	--
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24	--	--	26.2,27.2	6,9.3	8,8
	16,19	10	--	--	2	
JVT3A3	PowerPlex® Fusion 6C					
1	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16		

TABLE 1

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

Item 1 - STR Results

K2WLML	PowerPlex® Fusion 6C				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14	26.2,27.2	6,9.3
	16,19	10	20	16	8
K3QCTZ	FlexPlex 27				
1	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24		11,14	26.2,27.2	6,9.3
	16,19	10	20	16	11,11
KNMV4Y	GlobalFiler™				
1	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8,8
KRRE8L	PowerPlex® Fusion 6C				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14	26.2,27.2	6,9.3
	16,19	10	20	16	8
KTL6DZ	FlexPlex 27				
1	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24		11,14	26.2,27.2	6,9.3
	16,19	10	20	16	8,8
KUW7ZY	GlobalFiler™				
1	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8,8
KWHTQ2	GlobalFiler™ Express				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8

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

LD27GX	PowerPlex® Fusion					
	12,18.3	17	13,14	14,17	11,12	
1	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14		6,9.3	8
	16,19	10				
LMBFAX	GlobalFiler™					
	12,18.3	17,17	13,14	14,17	11,12	
1	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
M2PYLX	GlobalFiler™					
	12,18.3	17,17	13,14	14,17	11,12	
1	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
M4CKCZ	PowerPlex® Fusion 6C					
	12,18.3	17	13,14	14,17	11,12	
1	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
MNXEYF	PowerPlex® Fusion 6C					
	12,18.3	17	13,14	14,17	11,12	
1	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
MR4RQF	GlobalFiler™					
	12,18.3	17	13,14	14,17	11,12	
1	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
MZV9FJ	PowerPlex® Fusion 6C					
	12,18.3	17	13,14	14,17	11,12	
1	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		

TABLE 1

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

Item 1 - STR Results

N6JDMD	GlobalFiler™				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
N7EVPF	GlobalFiler™ (STRmix)				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
NB6CXY	Identifiler®				
1		17,17		14,17	11,12
	8,9	13,13			11,12
	14,20	15,15	28,30		X,Y
	23,24				6,9.3
	16,19				8,8
NTRTZV	PowerPlex® Fusion 5C				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14		6,9.3
	16,19	10			8
PW4T2T	PowerPlex® 21				
1	12,18.3	17,17		14,17	11,12
	8,9	13,13		18,20	11,12
	14,20	15,15	28,30		X,Y
	23,24	12,13	11,14		6,9.3
	16,19				8,8
PWNWAW	PowerPlex® 21				
1	12,18.3	17,17		14,17	11,12
	8,9	13,13		18,20	11,12
	14,20	15,15	28,30		X,Y
	23,24	12,13	11,14		6,9.3
	16,19				8,8
PYAHZV	GlobalFiler™				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	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 1 - STR Results

Q2VM9T	PowerPlex® Fusion				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14		6,9.3
	16,19	10			8
Q4YDJE	GlobalFiler™				
1	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8,8
Q9EPFV	GlobalFiler™ Express				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8
QEHPWD	GlobalFiler™				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8
QLGCND	GlobalFiler™ (STRmix)				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8
QV8ZGU	FlexPlex 27				
1	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24		11,14	26.2,27.2	6,9.3
	16,19	10	20	16	8,8
QXBTDD	GlobalFiler™				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8

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

QY9ZGR	GlobalFiler™					
	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10,10			2	
RHEXFD	GlobalFiler™					
	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
RJ8NLR	GlobalFiler™					
	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
RMAUWR	PowerPlex® Fusion					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14		6,9.3	8
	16,19	10				
RMUACU	GlobalFiler™ Express					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
RQQW4W	GlobalFiler™					
	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
TDWZGP	PowerPlex® Fusion 6C					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		

TABLE 1

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

Item 1 - STR Results

TJM87P	PowerPlex® 21 (STRmix V2.8.0)				
1	12,18.3	17,17		14,17	11,12
	8,9	13,13		18,20	11,12
	14,20	15,15	28,30		X,Y
	23,24	12,13	11,14		6,9.3
	16,19				8,8
TRGDZQ	PowerPlex® Fusion 6C				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14	26.2,27.2	6,9.3
	16,19	10	20	16	8
U4RADT	RapidINTEL Plus				
1	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8,8
UGUVLA	GlobalFiler™				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8
UPAE7A	GlobalFiler™ (STRmix)				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8
URFYRN	PowerPlex® 21				
1	12,18.3	17,17		14,17	11,12
	8,9	13,13		18,20	11,12
	14,20	15,15	28,30		X,Y
	23,24	12,13	11,14		6,9.3
	16,19				8,8
UU3LHQ	PowerPlex® Fusion				
1	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14		6,9.3
	16,19	10			8

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

UYCWGC PowerPlex® Fusion 6C						
1		12,18.3	17	13,14	14,17	11,12
		8,9	13	14,15	18,20	11,12
		14,20	15	28,30	14,15	X,Y
		23,24	12,13	11,14	26.2,27.2	6,9.3
		16,19	10	20	16	8
UZ7MMQ FlexPlex27						
1		12,18.3	17,17	13,14	14,17	11,12
		8,9	13,13	14,15	18,20	11,12
		14,20	15,15	28,30	14,15	X,Y
		23,24		11,14	26.2,27.2	6,9.3
		16,19	10	20	16	8,8
VDU8H9 GlobalFiler™						
1		12,18.3	17	13,14	14,17	11,12
		8,9	13	14,15	18,20	11,12
		14,20	15	28,30	14,15	X,Y
		23,24			26.2,27.2	6,9.3
		16,19	10			8
WPW29N PowerPlex® Fusion						
1		12,18.3	17	13,14	14,17	11,12
		8,9	13	14,15	18,20	11,12
		14,20	15	28,30	14,15	X,Y
		23,24	12,13	11,14		6,9.3
		16,19	10			8
X3HRP6 GlobalFiler™ (STRmix)						
1		12,18.3	17	13,14	14,17	11,12
		8,9	13	14,15	18,20	11,12
		14,20	15	28,30	14,15	X,Y
		23,24			26.2,27.2	6,9.3
		16,19	10			8
X4XQ6N FlexPlex27						
1		12,18.3	17,17	13,14	14,17	11,12
		8,9	13,13	14,15	18,20	11,12
		14,20	15,15	28,30	14,15	X,Y
		23,24		11,14	26.2,27.2	6,9.3
		16,19	10	20	16	8,8
XHETKQ Identifiler® Plus						
1			17,17		14,17	11,12
		8,9	13,13			11,12
		14,20	15,15	28,30		X,Y
		23,24				6,9.3
		16,19				8,8

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

XVJ6VK	GlobalFiler™ Express					
	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2		8,8
	16,19	10			2	
XX7QLL	PowerPlex® Fusion					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14		6,9.3	8
	16,19	10				
Y8G3K6	GlobalFiler™ (STRMIX)					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
YAYPTH	PowerPlex® 21					
	12,18.3	17,17		14,17	11,12	11,11
	8,9	13,13		18,20	11,12	10,12
	14,20	15,15	28,30		X,Y	11,14
	23,24	12,13	11,14		6,9.3	8,8
	16,19					
YAZGN6	GlobalFiler™ (STRmix version 2.7)					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
YG3DQQ	GlobalFiler™					
	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
Z9JKW7	PowerPlex® Fusion 6C					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		

TABLE 1

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

Item 1 - STR Results

ZCLLW3	GlobalFiler™ (STRMIX)					
1	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
ZQZUVL	PowerPlex® Fusion 6C					
1	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16		

TABLE 1

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

Item 2 - STR Results

2G73MJ	FlexPlex27					
		11,13	17,21	12,14	16,17	12,12
2		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		5,17	19,20	7,8
		16,16				11,12
2QWNTG	PowerPlex® 21					
		11,13	17,21	16,17	12,12	15,17
2		8,10	14,14	18,20	11,12	9,9
		18,19	13,15.2	27,30	X,X	8,10
		19,20	10,11	5,17	7,8	11,12
		16,16				
2TJAJJ	GlobalFiler™					
		11,13	17,21	12,14	16,17	12
2		8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20		19,20	7,8	11,12
		16				
2YQQYY	PowerPlex® Fusion 6C					
		11,13	17,21	12,14	16,17	12,12
2		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20	10,11	5,17	19,20	7,8
		16,16	NR	NR	NR	11,12
33Q6HH	FlexPlex 27					
		11,13	17,21	12,14	16,17	12,12
2		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		5,17	19,20	7,8
		16,16				11,12
3FCCG6	PowerPlex® Fusion 6C					
		11,13	17,21	12,14	16,17	12,12
2		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20	10,11	5,17	19,20	7,8
		16,16				11,12
3K7EJJ	FlexPlex 27					
		11,13	17,21	12,14	16,17	12,12
2		8,10		13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		5,17	19,20	7,8
		16,16				11,12

TABLE 1

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

Item 2 - STR Results

4N72DY	GlobalFiler™ (STRmix)				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				11,12
6F2NNF	PowerPlex® Fusion 5C				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17		7,8
	16	NR			11,12
6NVUHG	GlobalFiler™ Express				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				11,12
6PG7P3	PowerPlex® Fusion 6C				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				11,12
6UPRBE	PowerPlex® Fusion 6C				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				11,12
6UQJ72	PowerPlex® Fusion 6C				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				11,12
6VKACF	GlobalFiler™				
2	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	XX
	19,20			19,20	7,8
	16,16				11,12

TABLE 1

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

Item 2 - STR Results

6X7W3H	PowerPlex® Fusion 6C (STRmix 2.9.0)				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				
748UQC	PowerPlex® Fusion 6C				
2	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	XX
	19,20	10,11	5,17	19,20	7,8
	16,16				
7CLCRY	GlobalFiler™				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				
7FNDRW	GlobalFiler™				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16	No Result			No Result
7KFGKZ	PowerPlex® Fusion 6C				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				
7LA8QE	GlobalFiler™				
2	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	XX
	19,20			19,20	7,8
	16,16				
7PAL9D	GlobalFiler™				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				

TABLE 1

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

Item 2 - STR Results

8GBBJZ	PowerPlex® Fusion 6C				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				
8Z4C9B	PowerPlex® 21 (STRmix)				
2	11,13	17,21		16,17	12,12
	8,10	14,14		18,20	11,12
	18,19	13,15.2	27,30		X,X
	19,20	10,11	5,17		7,8
	16,16				
97NU2C	PowerPlex® Fusion 6C				
2	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X,X
	19,20	10,11	5,17	19,20	7,8
	16,16	NR	NR	NR	
99DZNU	GlobalFiler™ (STRmix)				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				
9KRV4U	GlobalFiler™				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				
9VN77A	PowerPlex® Fusion 6C				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				
A8W4UA	PowerPlex® Fusion 6C				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				

TABLE 1

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

Item 2 - STR Results

AAJPKC	GlobalFiler™ Express					
	11,13	17,21	12,14	16,17	12	
	2	8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		19,20	7,8	11,12
	16	NM			NM	
ABWEPA	GlobalFiler™ Express					
	11,13	17,21	12,14	16,17	12	
	2	8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20		19,20	7,8	11,12
	16	NR			NR	
AEEJHD						
	11,13	17,21	12,14	16,17	12,12	
	2	8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		19,20	7,8	11,12
	16,16					
AUCNQB	PowerPlex® Fusion 6C (STRmix)					
	11,13	17,21	12,14	16,17	12	
	2	8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20	10,11	5,17	19,20	7,8
	16					11,12
AWDRFC	PowerPlex® Fusion 6C					
	11,13	17,21	12,14	16,17	12,12	
	2	8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20	10,11	5,17	19,20	7,8
	16,16	NR	NR	NR		11,12
AWYAGC	GlobalFiler™ Express					
	11,13	17,21	12,14	16,17	12	
	2	8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		19,20	7,8	11,12
	16	NM			NM	
BEBCVB	PowerPlex® Fusion 6C					
	11,13	17,21	12,14	16,17	12,12	
	2	8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20	10,11	5,17	19,20	7,8
	16,16	NR	NR	NR		11,12

TABLE 1

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

Item 2 - STR Results

BJH3TB	PowerPlex® Fusion 5C					
	11,13	17,21	12,14	16,17	12	
	2	8,10	14	13,14	18,20	11,12 9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17		7,8	11,12
	16					
C4998T	GlobalFiler™ (STRmix 2.7)					
	11,13	17,21	12,14	16,17	12	
	2	8,10	14	13,14	18,20	11,12 9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20			19,20	7,8	11,12
	16					
CF3PWU	PowerPlex® Fusion 6C					
	11,13	17,21	12,14	16,17	12	
	2	8,10	14	13,14	18,20	11,12 9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16					
CKBBJ7	PowerPlex® 21					
	11,13	17,21		16,17	12,12	15,17
	2	8,10	14,14	18,20	11,12	9,9
	18,19	13,15.2	27,30		X,X	8,10
	19,20	10,11	5,17		7,8	11,12
	16,16					
CNTFBA	GlobalFiler™ Express					
	11,13	17,21	12,14	16,17	12	
	2	8,10	14	13,14	18,20	11,12 9
	18,19	13,15.2	27,30	11,17	X,X	8,10
	19,20			19,20	7,8	11,12
	16	NM			NM	
CNXWA9	PowerPlex® Fusion					
	11,13	17,21	12,14	16,17	12	
	2	8,10	14	13,14	18,20	11,12 9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17		7,8	11,12
	16	NR				
CQJGEC	GlobalFiler™ (STRmix)					
	11,13	17,21	12,14	16,17	12	
	2	8,10	14	13,14	18,20	11,12 9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20			19,20	7,8	11,12
	16					

TABLE 1

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

Item 2 - STR Results

CXMFUWU	PowerPlex® Fusion 5C					
2	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17		7,8	11,12
	16	NA				
CYG839	GlobalFiler™					
2	11,13	17,21	12,14	16,17	12,12	
	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	XX	8,10
	19,20			19,20	7,8	11,12
	16,16					
CYHYXV	PowerPlex® Fusion 6C					
2	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16					
D3CFMU	PowerPlex® Fusion 6C					
2	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16					
D7TPU7	PowerPlex® Fusion 6C					
2	11,13	17,21	12,14	16,17	12,12	
	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	XX	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16,16					
DBLRY7	GlobalFiler™					
2	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20			19,20	7,8	11,12
	16					
DCZ9X6	PowerPlex® 21					
2	11,13	17,21		16,17	12,12	15,17
	8,10	14,14		18,20	11,12	9,9
	18,19	13,15.2	27,30		XX	8,10
	19,20	10,11	5,17		7,8	11,12
	16,16					

TABLE 1

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

Item 2 - STR Results

DEMUN8	PowerPlex® Fusion				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	7,8	11,12
	16	NR			
DJYVQQ	GlobalFiler™				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				11,12
DMWGF9	PowerPlex® Fusion 6C				
2	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	XX
	19,20	10,11	5,17	19,20	7,8
	16,16	NR	NR	NR	11,12
DP7826	GlobalFiler™ (STRmix)				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				11,12
DT6HX6	GlobalFiler™				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				11,12
DTPGWN	GlobalFiler™				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				11,12
DU22Y7	GlobalFiler™				
2	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	XX
	19,20			19,20	7,8
	16,16	NR			NR

TABLE 1

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

Item 2 - STR Results

E82CPQ	GlobalFiler™					
		11,13	17,21	12,14	16,17	12,12
2		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		19,20	7,8	11,12
		16,16				
EMB6B8	PowerPlex® Fusion 6C					
		11,13	17,21	12,14	16,17	12,12
2		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20	10,11	5,17	19,20	7,8
		16,16				11,12
EWYYM6	GlobalFiler™					
		11,13	17,21	12,14	16,17	12,12
2		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		19,20	7,8	11,12
		16,16	NR		NR	
F6RTX8	GlobalFiler™					
		11,13	17,21	12,14	16,17	12,12
2		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		19,20	7,8	11,12
		16,16				
FRZZR7	PowerPlex® Fusion 6C					
		11,13	17,21	12,14	16,17	12,12
2		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20	10,11	5,17	19,20	7,8
		16,16	NR	NR	NR	11,12
FVP8EN	GlobalFiler™ (STRmix)					
		11,13	17,21	12,14	16,17	12
2		8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20		19,20	7,8	8,10
		16				11,12
G3HYX2	PowerPlex® 21					
		11,13	17,21		16,17	12,12
2		8,10	14,14		18,20	11,12
		18,19	13,15.2	27,30		X,X
		19,20	10,11	5,17		7,8
		16,16				11,12

TABLE 1

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

Item 2 - STR Results

G66KN4	PowerPlex® Fusion 5C					
2	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17		7,8	11,12
	16	NR				
G7J2PN	PowerPlex® Fusion					
2	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	XX	8,10
	19,20	10,11	5,17		7,8	11,12
	16	NA				
G8DTV3	GlobalFiler™					
2	11,13	17,21	12,14	16,17	12,12	
	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	XX	8,10
	19,20			19,20	7,8	11,12
	16,16					
GF8V2K	GlobalFiler™					
2	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20			19,20	7,8	11,12
	16	No Results			No Results	
GMKUP4	PowerPlex® Fusion					
2	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17		7,8	11,12
	16	NR				
GN3ZUL	GlobalFiler™ (STRmix)					
2	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20			19,20	7,8	11,12
	16					
H9JHU6	Rapid Intel Plus					
2	11,13	17,21	12,14	16,17	12,12	
	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	XX	8,10
	19,20			19,20	7,8	11,12
	16,16					

TABLE 1

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

Item 2 - STR Results

HDVM66	GlobalFiler™					
		11,13	17,21	12,14	16,17	12,12
2		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		19,20	7,8	11,12
		16,16				
J8N96L	GlobalFiler™					
		11,13	17,21	12,14	16,17	12,12
2		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20	--	--	19,20	7,8
		16,16	--	--	--	--
JEJFHZ	PowerPlex® Fusion					
		11,13	17,21	12,14	16,17	12
2		8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20	10,11	5,17	7,8	11,12
		16	NR			
JKAN9L	GlobalFiler™					
		11,13	17,21	12,14	16,17	12,12
2		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		19,20	7,8	11,12
		16,16	--		--	
JN9Z4L	GlobalFiler™					
		11,13	17,21	12,14	16,17	12,12
2		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20	--	--	19,20	7,8
		16,16	--	--	--	--
JVT3A3	PowerPlex® Fusion 6C					
		11,13	17,21	12,14	16,17	12,12
2		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20	10,11	5,17	19,20	7,8
		16,16	NR	NR	NR	
K2WLML	PowerPlex® Fusion 6C					
		11,13	17,21	12,14	16,17	12
2		8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20	10,11	5,17	19,20	7,8
		16				

TABLE 1

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

Item 2 - STR Results

K3QCTZ	FlexPlex 27					
		11,13	17,21	12,14	16,17	12,12
	2	8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		5,17	19,20	7,8
		16,16				11,12
KNMV4Y	GlobalFiler™					
		11,13	17,21	12,14	16,17	12,12
	2	8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20			19,20	7,8
		16,16	NR			NR
KRRE8L	PowerPlex® Fusion 6C					
		11,13	17,21	12,14	16,17	12
	2	8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20	10,11	5,17	19,20	7,8
		16				11,12
KTL6DZ	FlexPlex 27					
		11,13	17,21	12,14	16,17	12,12
	2	8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20			19,20	7,8
		16,16				11,12
KUW7ZY	GlobalFiler™					
		11,13	17,21	12,14	16,17	12,12
	2	8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20			19,20	7,8
		16,16				11,12
KWHTQ2	GlobalFiler™ Express					
		11,13	17,21	12,14	16,17	12
	2	8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20			19,20	7,8
		16	NM			NM
LD27GX	PowerPlex® Fusion					
		11,13	17,21	12,14	16,17	12
	2	8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20	10,11	5,17		7,8
		16	NR			11,12

TABLE 1

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

Item 2 - STR Results

LMBFAX	GlobalFiler™					
2	11,13	17,21	12,14	16,17	12,12	
	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	X,X	8,10
	19,20			19,20	7,8	11,12
	16,16	NR			NR	
M2PYLX	GlobalFiler™					
2	11,13	17,21	12,14	16,17	12,12	
	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	X,X	8,10
	19,20			19,20	7,8	11,12
	16,16					
M4CKCZ	PowerPlex® Fusion 6C					
2	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16					
MNXEYF	PowerPlex® Fusion 6C					
2	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16					
MR4RQF	GlobalFiler™					
2	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20			19,20	7,8	11,12
	16	No Results			No Results	
MZV9FJ	PowerPlex® Fusion 6C					
2	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16					
N6JDMD	GlobalFiler™					
2	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20			19,20	7,8	11,12
	16	No results			No results	

TABLE 1

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

Item 2 - STR Results

N7EVPF	GlobalFiler™ (STRmix)					
	11,13	17,21	12,14	16,17	12	
2	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20			19,20	7,8	11,12
	16					
NB6CXY	Identifiler®					
		17,21		16,17	12,13	
2	8,10	14,14			11,12	9,9
	18,19	13,15.2	27,30		X,X	8,10
	19,20,30.2				7,8	11,12
	16,16					
NTRTZV	PowerPlex® Fusion 5C					
	11,13	17,21	12,14	16,17	12	
2	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17		7,8	11,12
	16					
PW4T2T	PowerPlex® 21					
	11,13	17,21		16,17	12,12	15,17
2	8,10	14,14		18,20	11,12	9,9
	18,19	13,15.2	27,30		X,X	8,10
	19,20	10,11	5,17		7,8	11,12
	16,16					
PWNWAW	PowerPlex® 21					
	11,13	17,21		16,17	12,12	15,17
2	8,10	14,14		18,20	11,12	9,9
	18,19	13,15.2	27,30		X,X	8,10
	19,20	10,11	5,17		7,8	11,12
	16,16					
PYAHZV	GlobalFiler™					
	11,13	17,21	12,14	16,17	12	
2	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20			19,20	7,8	11,12
	16					
Q2VM9T	PowerPlex® Fusion					
	11,13	17,21	12,14	16,17	12	
2	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17		7,8	11,12
	16	NR				

TABLE 1

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

Item 2 - STR Results

Q4YDJE	GlobalFiler™						
	11,13	17,21	12,14	16,17	12,12		
	2	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	X,X	8,10	
	19,20			19,20	7,8	11,12	
	16,16						
Q9EPFV	GlobalFiler™ Express						
	11,13	17,21	12,14	16,17	12		
	2	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X,X	8,10	
	19,20			19,20	7,8	11,12	
	16	NM			NM		
QEHPWD	GlobalFiler™						
	11,13	17,21	12,14	16,17	12		
	2	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10	
	19,20			19,20	7,8	11,12	
	16						
QLGCND	GlobalFiler™ (STRmix)						
	11,13	17,21	12,14	16,17	12		
	2	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10	
	19,20			19,20	7,8	11,12	
	16						
QV8ZGU	FlexPlex 27						
	11,13	17,21	12,14	16,17	12,12	15,17	
	2	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	X,X	8,10	
	19,20		5,17	19,20	7,8	11,12	
	16,16						
QXBTDD	GlobalFiler™						
	11,13	17,21	12,14	16,17	12		
	2	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10	
	19,20			19,20	7,8	11,12	
	16						
QY9ZGR	GlobalFiler™						
	11,13	17,21	12,14	16,17	12,12		
	2	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	X,X	8,10	
	19,20			19,20	7,8	11,12	
	16,16						

TABLE 1

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

Item 2 - STR Results

RHEXFD	GlobalFiler™					
	11,13	17,21	12,14	16,17	12,12	
	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	X,X	8,10
	19,20			19,20	7,8	11,12
	16,16	--			--	
RJ8NLR	GlobalFiler™					
	11,13	17,21	12,14	16,17	12,12	
	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	X,X	8,10
	19,20			19,20	7,8	11,12
	16,16					
RMAUWR	PowerPlex® Fusion					
	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17		7,8	11,12
	16	NR				
RMUACU	GlobalFiler™ Express					
	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X,X	8,10
	19,20			19,20	7,8	11,12
	16	NM			NM	
RQQW4W	GlobalFiler™					
	11,13	17,21	12,14	16,17	12,12	
	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	X,X	8,10
	19,20			19,20	7,8	11,12
	16,16					
TDWZGP	PowerPlex® Fusion 6C					
	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16					
TJM87P	PowerPlex® 21 (STRmix V2.8.0)					
	11,13	17,21		16,17	12,12	15,17
	8,10	14,14		18,20	11,12	9,9
	18,19	13,15.2	27,30		X,X	8,10
	19,20	10,11	5,17		7,8	11,12
	16,16					

TABLE 1

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

Item 2 - STR Results

TRGDZQ	PowerPlex® Fusion 6C				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				
U4RADT	RapidINTEL Plus				
2	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	XX
	19,20			19,20	7,8
	16,16				
UGUVLA	GlobalFiler™				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				
UPAE7A	GlobalFiler™ (STRmix)				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				
URFYRN	PowerPlex® 21				
2	11,13	17,21		16,17	12,12
	8,10	14,14		18,20	11,12
	18,19	13,15.2	27,30		XX
	19,20	10,11	5,17		7,8
	16,16				
UU3LHQ	PowerPlex® Fusion				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17		7,8
	16	NR			
UYCWGC	PowerPlex® Fusion 6C				
2	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				

TABLE 1

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

Item 2 - STR Results

UZ7MMQ	FlexPlex27					
2		11,13	17,21	12,14	16,17	12,12
		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		5,17	19,20	7,8
		16,16				11,12
VDU8H9	GlobalFiler™					
2		11,13	17,21	12,14	16,17	12
		8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20		19,20	7,8	11,12
		16				
WPW29N	PowerPlex® Fusion					
2		11,13	17,21	12,14	16,17	12
		8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20	10,11	5,17		7,8
		16	NR			11,12
X3HRP6	GlobalFiler™ (STRmix)					
2		11,13	17,21	12,14	16,17	12
		8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20		19,20	7,8	11,12
		16				
X4XQ6N	FlexPlex27					
2		11,13	17,21	12,14	16,17	12,12
		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		5,17	19,20	7,8
		16,16				11,12
XHETKQ	Identifiler® Plus					
2			17,21		16,17	12,12
		8,10	14,14			11,12
		18,19	13,15.2	27,30		X,X
		19,20				7,8
		16,16				11,12
XVJ6VK	GlobalFiler™ Express					
2		11,13	17,21	12,14	16,17	12,12
		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20			19,20	7,8
		16,16				11,12

TABLE 1

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

Item 2 - STR Results

XX7QLL	PowerPlex® Fusion					
	11,13	17,21	12,14	16,17	12	
	2	8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20	10,11	5,17	7,8	11,12
	16	N/R				
Y8G3K6	GlobalFiler™ (STRMIX)					
	11,13	17,21	12,14	16,17	12	
	2	8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20		19,20	7,8	11,12
	16					
YAYPTH	PowerPlex® 21					
	11,13	17,21		16,17	12,12	15,17
	2	8,10	14,14	18,20	11,12	9,9
		18,19	13,15.2	27,30	X,X	8,10
		19,20	10,11	5,17	7,8	11,12
	16,16					
YAZGN6	GlobalFiler™ (STRmix version 2.7)					
	11,13	17,21	12,14	16,17	12	
	2	8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20		19,20	7,8	11,12
	16					
YG3DQQ	GlobalFiler™					
	11,13	17,21	12,14	16,17	12,12	
	2	8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		19,20	7,8	11,12
	16,16					
Z9JKW7	PowerPlex® Fusion 6C					
	11,13	17,21	12,14	16,17	12	
	2	8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20	10,11	5,17	19,20	7,8
	16					11,12
ZCLLW3	GlobalFiler™ (STRMIX)					
	11,13	17,21	12,14	16,17	12	
	2	8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20		19,20	7,8	11,12
	16					

TABLE 1

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

Item 2 - STR Results

ZQZUVL	PowerPlex® Fusion 6C					
2	11,13	17,21	12,14	16,17	12,12	
	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	X,X	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16,16	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 3 - STR Results

2G73MJ	FlexPlex27					
	12,18.3	17,17	13,14	14,17	11,12	11,11
	3	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24		11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16		
2QWNTG	PowerPlex® 21					
	12,18.3	17,17		14,17	11,12	11,11
	3	8,9	13,13	18,20	11,12	10,12
	14,20	15,15	28,30		X,Y	11,14
	23,24	12,13	11,14		6,9.3	8,8
	16,19					
2TJAJJ	GlobalFiler™					
	12,18.3	17	13,14	14,17	11,12	
	3	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
33Q6HH	FlexPlex 27					
	12,18.3	17,17	13,14	14,17	11,12	11,11
	3	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24		11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16		
3FCCG6	PowerPlex® Fusion 6C					
	12,18.3	17,17	13,14	14,17	11,12	
	3	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16		
3K7EJJ	FlexPlex 27					
	12,18.3	17,17	13,14	14,17	11,12	11,11
	3	8,9		14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24		11,14	26.2,27.2		8,8
	16,19	10	20	16		
4N72DY	GlobalFiler™ (STRmix)					
	12,18.3	17	13,14	14,17	11,12	
	3	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	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 3 - STR Results

6F2NNF	PowerPlex® Fusion 5C				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14		6,9.3
	16,19	10			8
6NVUHG	PowerPlex® Fusion 6C (STRmix v2.9)				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14	26.2,27.2	6,9.3
	16,19	10	20	16	8
6PG7P3	PowerPlex® Fusion 6C				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14	26.2,27.2	6,9.3
	16,19	10	20	16	8
6UPRBE	PowerPlex® Fusion 6C (STRmix)				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14	26.2,27.2	6,9.3
	16,19	10	20	16	8
6UQJ72	PowerPlex® Fusion 6C (STRmix)				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14	26.2,27.2	6,9.3
	16,19	10	20	16	8
6VKACF	GlobalFiler™				
3	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8,8
6X7W3H	PowerPlex® Fusion 6C (STRmix 2.9.0)				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14	26.2,27.2	6,9.3
	16,19	10	20	16	8

TABLE 1

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

Item 3 - STR Results

748UQC	PowerPlex® Fusion 6C (STRmix)					
3	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16		
7CLCRY	GlobalFiler™ (STRmix)					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
7KFGKZ	PowerPlex® Fusion 6C					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
7LA8QE	GlobalFiler™					
3	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
7PAL9D	GlobalFiler™					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
8GBBJZ	PowerPlex® Fusion 6C					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
8Z4C9B	PowerPlex® 21 (STRmix)					
3	12,18.3	17,17		14,17	11,12	11,11
	8,9	13,13		18,20	11,12	10,12
	14,20	15,15	28,30		X,Y	11,14
	23,24	12,13	11,14		6,9.3	8,8
	16,19					

TABLE 1

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

Item 3 - STR Results

99DZNU	GlobalFiler™ (STRmix)					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
9VN77A	PowerPlex® Fusion 6C					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
A8W4UA	PowerPlex® Fusion 6C (STRmix)					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
AAJPKC	GlobalFiler™					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
ABWEPA	GlobalFiler™					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
AEEJHD						
3	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
AUCNQB	PowerPlex® Fusion 6C (STRmix)					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		

TABLE 1

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

Item 3 - STR Results

AWYAGC	GlobalFiler™					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
BEBCVB	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16		
BJH3TB	PowerPlex® Fusion 5C					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14		6,9.3	8
	16,19	10				
C4998T	GlobalFiler™ (STRmix 2.7)					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
CF3PWU	PowerPlex® Fusion 6C					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
CKBBJ7	PowerPlex® 21					
	12,18.3	17,17		14,17	11,12	11,11
	8,9	13,13		18,20	11,12	10,12
	14,20	15,15	28,30		X,Y	11,14
	23,24	12,13	11,14		6,9.3	8,8
	16,19					
CNTFBA	GlobalFiler™					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	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 3 - STR Results

CNXWA9	PowerPlex® Fusion				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14		6,9.3
	16,19	10			8
CQJGEC	GlobalFiler™ (STRmix)				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8
CXMFUW	PowerPlex® Fusion 5C				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14		6,9.3
	16,19	10			8
CYG839	GlobalFiler™				
3	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8,8
CYHYXV	PowerPlex® Fusion 6C				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14	26.2,27.2	6,9.3
	16,19	10	20	16	8
D3CFMU	PowerPlex® Fusion 6C				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14	26.2,27.2	6,9.3
	16,19	10	20	16	8
D7TPU7	PowerPlex® Fusion 6C (STRmix)				
3	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24	12,13	11,14	26.2,27.2	6,9.3
	16,19	10	20	16	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 3 - STR Results

DBLRY7	GlobalFiler™ (STRmix v.2.11)				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
DCZ9X6	PowerPlex® 21				
3	12,18.3	17,17		14,17	11,12
	8,9	13,13		18,20	11,12
	14,20	15,15	28,30		X,Y
	23,24	12,13	11,14		6,9.3
	16,19				8,8
DEMUN8	PowerPlex® Fusion				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14		6,9.3
	16,19	10			8
DJYVQQ	GlobalFiler™ (STRmix)				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
DMWGF9	PowerPlex® Fusion 6C (STRmix V2.5.11)				
3	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24	12,13	11,14	26.2,27.2	6,9.3
	16,19	10	20	16	8,8
DP7826	GlobalFiler™				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
DT6HX6	GlobalFiler™ (STRmix)				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	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 3 - STR Results

DTPGWN	GlobalFiler™ (STRMIX)				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
DU22Y7	GlobalFiler™				
3	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
E82CPQ	GlobalFiler™				
3	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
EMB6B8	PowerPlex® Fusion 6C				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14	26.2,27.2	6,9.3
	16,19	10	20	16	8
EWYYM6	GlobalFiler™				
3	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
F6RTX8	GlobalFiler™ (STRmix)				
3	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
FVP8EN	GlobalFiler™ (STRmix)				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	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 3 - STR Results

G3HYX2	PowerPlex® 21 (STRmix)				
3	12,18.3	17,17		14,17	11,12
	8,9	13,13		18,20	11,12
	14,20	15,15	28,30		X,Y
	23,24	12,13	11,14		6,9.3
	16,19				8,8
G66KN4	PowerPlex® Fusion 5C				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14		6,9.3
	16,19	10			8
G7J2PN	PowerPlex® Fusion				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14		6,9.3
	16,19	10			8
G8DTV3	GlobalFiler™				
3	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8,8
GMKUP4	PowerPlex® Fusion				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14		6,9.3
	16,19	10			8
GN3ZUL	GlobalFiler™ (STRmix)				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8
H9JHU6	Rapid Intel Plus				
3	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			8,8

TABLE 1

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

Item 3 - STR Results

HDVM66	GlobalFiler™					
		12,18.3	17,17	13,14	14,17	11,12
3		8,9	13,13	14,15	18,20	11,12
		14,20	15,15	28,30	14,15	X,Y
		23,24		26.2,27.2	6,9.3	8,8
		16,19	10		2	
J8N96L	GlobalFiler™					
		12,18.3	17,17	13,14	14,17	11,12
3		8,9	13,13	14,15	18,20	11,12
		14,20	15,15	28,30	14,15	X,Y
		23,24	--	--	26.2,27.2	6,9.3
		16,19	10	--	2	8,8
JEJFHZ	PowerPlex® Fusion					
		12,18.3	17	13,14	14,17	11,12
3		8,9	13	14,15	18,20	11,12
		14,20	15	28,30	14,15	X,Y
		23,24	12,13	11,14	6,9.3	8
		16,19	10			
JKAN9L	GlobalFiler™					
		12,18.3	17,17	13,14	14,17	11,12
3		8,9	13,13	14,15	18,20	11,12
		14,20	15,15	28,30	14,15	X,Y
		23,24		26.2,27.2	6,9.3	8,8
		16,19	10		2	
JN9Z4L	GlobalFiler™					
		12,18.3	17,17	13,14	14,17	11,12
3		8,9	13,13	14,15	18,20	11,12
		14,20	15,15	28,30	14,15	X,Y
		23,24	--	--	26.2,27.2	6,9.3
		16,19	10	--	2	8,8
JVT3A3	PowerPlex® Fusion 6C (STRmix V2.5.11)					
		12,18.3	17,17	13,14	14,17	11,12
3		8,9	13,13	14,15	18,20	11,12
		14,20	15,15	28,30	14,15	X,Y
		23,24	12,13	11,14	26.2,27.2	6,9.3
		16,19	10	20	16	8,8
K2WLML	PowerPlex® Fusion 6C					
		12,18.3	17	13,14	14,17	11,12
3		8,9	13	14,15	18,20	11,12
		14,20	15	28,30	14,15	X,Y
		23,24	12,13	11,14	26.2,27.2	6,9.3
		16,19	10	20	16	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 3 - STR Results

K3QCTZ	FlexPlex 27					
	12,18.3	17,17	13,14	14,17	11,12	11,11
	3	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24		11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16		
KNMV4Y	GlobalFiler™					
	12,18.3	17,17	13,14	14,17	11,12	
	3	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
KRRE8L	PowerPlex® Fusion 6C					
	12,18.3	17	13,14	14,17	11,12	
	3	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
KTL6DZ	FlexPlex 27					
	12,18.3	17,17	13,14	14,17	11,12	11,11
	3	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24		11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16		
KUW7ZY	GlobalFiler™					
	12,18.3	17,17	13,14	14,17	11,12	
	3	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
KWHTQ2	GlobalFiler™					
	12,18.3	17	13,14	14,17	11,12	
	3	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
LD27GX	PowerPlex® Fusion					
	12,18.3	17	13,14	14,17	11,12	
	3	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14		6,9.3	8
	16,19	10				

TABLE 1

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

Item 3 - STR Results

LMBFAX	GlobalFiler™					
3	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
M2PYLX	GlobalFiler™					
3	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
M4CKCZ	PowerPlex® Fusion 6C (STRmix v2.9)					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
MNXEYF	PowerPlex® Fusion 6C					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
MZV9FJ	PowerPlex® Fusion 6C					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
N6JDMD	GlobalFiler™					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
N7EVPF	GlobalFiler™ (STRmix)					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	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 3 - STR Results

NB6CXY	Identifiler®				
		17,17		14,17	11,12
3	8,9	12,13		11,12	10,12
	14,20	11,2,15	28,30	X,Y	11,14
	23,24			6,9,3	8,8
	16,19				
NTRTZV	PowerPlex® Fusion 5C				
	12,18.3	17	13,14	14,17	11,12
3	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14	6,9,3	8
	16,19	10			
PW4T2T	PowerPlex® 21 (STRmix)				
	12,18.3	17,17		14,17	11,12
3	8,9	13,13		18,20	11,12
	14,20	15,15	28,30	X,Y	11,14
	23,24	12,13	11,14	6,9,3	8,8
	16,19				
PWNWAW	PowerPlex® 21 (STRmix v2.8)				
	12,18.3	17,17		14,17	11,12
3	8,9	13,13		18,20	11,12
	14,20	15,15	28,30	X,Y	11,14
	23,24	12,13	11,14	6,9,3	8,8
	16,19				
PYAHZV	GlobalFiler™				
	12,18.3	17	13,14	14,17	11,12
3	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26,2,27,2	6,9,3
	16,19	10			8
				2	
Q2VM9T	PowerPlex® Fusion				
	12,18.3	17	13,14	14,17	11,12
3	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14	6,9,3	10,12
	16,19	10			8
Q4YDJE	GlobalFiler™				
	12,18.3	17,17	13,14	14,17	11,12
3	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24			26,2,27,2	6,9,3
	16,19	10			8,8
				2	

TABLE 1

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

Item 3 - STR Results

Q9EPFV	GlobalFiler™					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
QEHPWD	GlobalFiler™ (STRMIX)					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
QLGCND	GlobalFiler™ (STRmix)					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
QV8ZGU	FlexPlex 27					
3	12,18.3	17,17	13,14	14,17	11,12	
	8,9		14,15	18,20		10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24		11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16		
QXBTDD	GlobalFiler™					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
QY9ZGR	GlobalFiler™					
3	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10,10			2	
RHEXFD	GlobalFiler™					
3	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	

TABLE 1

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

Item 3 - STR Results

RJ8NLR	GlobalFiler™					
	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,19.3	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
RMAUWR	PowerPlex® Fusion					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14		6,9.3	8
	16,19	10				
RMUACU	GlobalFiler™					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
RQQW4W	GlobalFiler™					
	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
TDWZGP	PowerPlex® Fusion 6C					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
TJM87P	PowerPlex® 21 (STRmix V2.8.0)					
	12,18.3	17,17		14,17	11,12	11,11
	8,9	13,13		18,20	11,12	10,12
	14,20	15,15	28,30		X,Y	11,14
	23,24	12,13	11,14		6,9.3	8,8
	16,19					
TRGDZQ	PowerPlex® Fusion 6C (STRmix)					
	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		

TABLE 1

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

Item 3 - STR Results

U4RADT	RapidINTEL Plus					
3	12,18.3	17,17	13,14	14,17	11,12	
	8,9	13,13	14,15	18,20	11,12	10,12
	14,20	15,15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8,8
	16,19	10			2	
UGUVLA	GlobalFiler™ (STRmix)					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
UPAE7A	GlobalFiler™ (STRmix)					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24			26.2,27.2	6,9.3	8
	16,19	10			2	
URFYRN	PowerPlex® 21 (STRmix V2.8)					
3	12,18.3	17,17		14,17	11,12	11,11
	8,9	13,13		18,20	11,12	10,12
	14,20	15,15	28,30		X,Y	11,14
	23,24	12,13	11,14		6,9.3	8,8
	16,19					
UU3LHQ	PowerPlex® Fusion					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14		6,9.3	8
	16,19	10				
UYCWGC	PowerPlex® Fusion 6C					
3	12,18.3	17	13,14	14,17	11,12	
	8,9	13	14,15	18,20	11,12	10,12
	14,20	15	28,30	14,15	X,Y	11,14
	23,24	12,13	11,14	26.2,27.2	6,9.3	8
	16,19	10	20	16		
UZ7MMQ	FlexPlex27					
3	12,18.3	17,17	13,14	14,17	11,12	11,11
	8,9	13,13	14,15	18,20	11,12	10,12
		15,15	28,30	14,15	X,Y	11,14
	23,24		11,14	26.2,27.2	6,9.3	8,8
	16,19	10	20	16		

TABLE 1

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

Item 3 - STR Results

VDU8H9	GlobalFiler™ (STRmix)				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
WPW29N	PowerPlex® Fusion				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14		6,9.3
	16,19	10			8
X3HRP6	GlobalFiler™ (STRmix)				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
X4XQ6N	FlexPlex27				
3	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24		11,14	26.2,27.2	6,9.3
	16,19	10	20	16	11,11
XHETKQ	Identifiler® Plus				
3		17,17		14,17	11,12
	8,9	13,13			11,12
	14,20	15,15	28,30		X,Y
	23,24				6,9.3
	16,19				8,8
XVJ6VK	GlobalFiler™				
3	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
XX7QLL	PowerPlex® Fusion				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14		6,9.3
	16,19	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 3 - STR Results

Y8G3K6	GlobalFiler™ (STRMIX)				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
YAYPTH	PowerPlex® 21 (STRmix version 2.8)				
3	12,18.3	17,17		14,17	11,12
	8,9	13,13		18,20	11,12
	14,20	15,15	28,30		X,Y
	23,24	12,13	11,14		6,9.3
	16,19				8,8
YAZGN6	GlobalFiler™ (STRmix version 2.7)				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
YG3DQQ	GlobalFiler™				
3	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
Z9JKW7	PowerPlex® Fusion 6C				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24	12,13	11,14	26.2,27.2	6,9.3
	16,19	10	20	16	8
ZCLLW3	GlobalFiler™ (STRMIX)				
3	12,18.3	17	13,14	14,17	11,12
	8,9	13	14,15	18,20	11,12
	14,20	15	28,30	14,15	X,Y
	23,24			26.2,27.2	6,9.3
	16,19	10			2
ZQZUVL	PowerPlex® Fusion 6C (STRmix V2.5.11)				
3	12,18.3	17,17	13,14	14,17	11,12
	8,9	13,13	14,15	18,20	11,12
	14,20	15,15	28,30	14,15	X,Y
	23,24	12,13	11,14	26.2,27.2	6,9.3
	16,19	10	20	16	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 4 - STR Results

2G73MJ	FlexPlex27					
		11,13	17,21	12,14	16,17	12,12
	4	8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		5,17	19,20	7,8
		16,16				11,12
2QWNTG	PowerPlex® 21					
		11,13	17,21	16,17	12,12	15,17
	4	8,10	14,14	18,20	11,12	9,9
		18,19	13,15.2	27,30	X,X	8,10
		19,20	10,11	5,17	7,8	11,12
		16,16				
2TJAJJ	GlobalFiler™					
		11,13	17,21	12,14	16,17	12
	4	8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20		19,20	7,8	11,12
		16				
33Q6HH	FlexPlex 27					
		11,13	17,21	12,14	16,17	12,12
	4	8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		5,17	19,20	7,8
		16,16				11,12
3FCCG6	PowerPlex® Fusion 6C					
		11,13	17,21	12,14	16,17	12,12
	4	8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20	10,11	5,17	19,20	7,8
		16,16				11,12
3K7EJJ	FlexPlex 27					
		11,13	17,21	12,14	16,17	12,12
	4	8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		5,17	19,20	7,8
		16,16				11,12
4N72DY	GlobalFiler™ (STRmix)					
		11,13	17,21	12,14	16,17	12
	4	8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20		19,20	7,8	11,12
		16				

TABLE 1

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

Item 4 - STR Results

6F2NNF	PowerPlex® Fusion 5C				
	11,13	17,21	12,14	16,17	12
4	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17		7,8
	16	NR			
6NVUHG	PowerPlex® Fusion 6C (STRmix v2.9)				
	11,13	17,21	12,14	16,17	12
4	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				
6PG7P3	PowerPlex® Fusion 6C (STRmix)				
	11,13	17,21	12,14	16,17	12
4	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				
6UPRBE	PowerPlex® Fusion 6C (STRmix)				
	11,13	17,21	12,14	16,17	12
4	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				
6UQJ72	PowerPlex® Fusion 6C				
	11,13	17,21	12,14	16,17	12
4	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				
6VKACF	GlobalFiler™				
	11,13	17,21	12,14	16,17	12,12
4	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	XX
	19,20			19,20	7,8
	16,16				
6X7W3H	PowerPlex® Fusion 6C (STRmix 2.9.0)				
	11,13	17,21	12,14	16,17	12
4	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				

TABLE 1

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

Item 4 - STR Results

748UQC	PowerPlex® Fusion 6C (STRmix)					
4	11,13	17,21	12,14	16,17	12,12	
	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	X,X	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16,16					
7CLCRY	GlobalFiler™ (STRmix)					
4	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20			19,20	7,8	11,12
	16					
7KFGKZ	PowerPlex® Fusion 6C					
4	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16					
7LA8QE	GlobalFiler™					
4	11,13	17,21	12,14	16,17	12,12	
	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	X,X	8,10
	19,20			19,20	7,8	11,12
	16,16					
7PAL9D	GlobalFiler™					
4	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20			19,20	7,8	11,12
	16					
8GBBJZ	PowerPlex® Fusion 6C					
4	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16					
8Z4C9B	PowerPlex® 21 (STRmix)					
4	11,13	17,21		16,17	12,12	15,17
	8,10	14,14		18,20	11,12	9,9
	18,19	13,15.2	27,30		X,X	8,10
	19,20	10,11	5,17		7,8	11,12
	16,16					

TABLE 1

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

Item 4 - STR Results

99DZNU	GlobalFiler™ (STRmix)					
	11,13	17,21	12,14	16,17	12	
4	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20			19,20	7,8	11,12
	16					
9VN77A	PowerPlex® Fusion 6C					
	11,13	17,21	12,14	16,17	12	
4	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16					
A8W4UA	PowerPlex® Fusion 6C (STRmix)					
	11,13	17,21	12,14	16,17	12	
4	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16					
AAJPKC	GlobalFiler™					
	11,13	17,21	12,14	16,17	12	
4	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	XX	8,10
	19,20			19,20	7,8	11,12
	16	NM			NM	
ABWEPA	GlobalFiler™					
	11,13	17,21	12,14	16,17	12	
4	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20			19,20	7,8	11,12
	16	NR			NR	
AEEJHD						
	11,13	17,21	12,14	16,17	12,12	
4	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	XX	8,10
	19,20			19,20	7,8	11,12
	16,16					
AUCNQB	PowerPlex® Fusion 6C (STRmix)					
	11,13	17,21	12,14	16,17	12	
4	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	XX	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16					

TABLE 1

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

Item 4 - STR Results

AWYAGC	GlobalFiler™					
	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X,X	8,10
	19,20			19,20	7,8	11,12
	16	NM			NM	
BEBCVB	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	11,13	17,21	12,14	16,17	12,12	
	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	X,X	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16,16	NR	NR	NR		
BJH3TB	PowerPlex® Fusion 5C					
	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17		7,8	11,12
	16					
C4998T	GlobalFiler™ (STRmix 2.7)					
	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20			19,20	7,8	11,12
	16					
CF3PWU	PowerPlex® Fusion 6C					
	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16					
CKBBJ7	PowerPlex® 21					
	11,13	17,21		16,17	12,12	15,17
	8,10	14,14		18,20	11,12	9,9
	18,19	13,15.2	27,30		X,X	8,10
	19,20	10,11	5,17		7,8	11,12
	16,16					
CNTFBA	GlobalFiler™					
	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X,X	8,10
	19,20			19,20	7,8	11,12
	16	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 4 - STR Results

CNXWA9	PowerPlex® Fusion				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	7,8	11,12
	16	NR			
CQJGEC	GlobalFiler™ (STRmix)				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				11,12
CXMFUW	PowerPlex® Fusion 5C				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	7,8	11,12
	16	NA			
CYG839	GlobalFiler™				
4	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	XX
	19,20			19,20	7,8
	16,16				11,12
CYHYXV	PowerPlex® Fusion 6C				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				11,12
D3CFMU	PowerPlex® Fusion 6C				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				11,12
D7TPU7	PowerPlex® Fusion 6C (STRmix)				
4	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	XX
	19,20	10,11	5,17	19,20	7,8
	16,16				11,12

TABLE 1

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

Item 4 - STR Results

DBLRY7	GlobalFiler™ (STRmix v.2.11)				
	11,13	17,21	12,14	16,17	12
4	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				11,12
DCZ9X6	PowerPlex® 21				
	11,13	17,21		16,17	12,12
4	8,10	14,14		18,20	11,12
	18,19	13,15.2	27,30		X,X
	19,20	10,11	5,17		7,8
	16,16				11,12
DEMUN8	PowerPlex® Fusion				
	11,13	17,21	12,14	16,17	12
4	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17		7,8
	16	NR			11,12
DJYVQQ	GlobalFiler™ (STRmix)				
	11,13	17,21	12,14	16,17	12
4	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				11,12
DMWGF9	PowerPlex® Fusion 6C (STRmix V2.5.11)				
	11,13	17,21	12,14	16,17	12,12
4	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X,X
	19,20	10,11	5,17	19,20	7,8
	16,16	NR	NR	NR	11,12
DP7826	GlobalFiler™ (STRmix)				
	11,13	17,21	12,14	16,17	12
4	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				11,12
DT6HX6	GlobalFiler™				
	11,13	17,21	12,14	16,17	12
4	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				11,12

TABLE 1

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

Item 4 - STR Results

DTPGWN	GlobalFiler™ (STRMIX)				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				11,12
DU22Y7	GlobalFiler™				
4	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	XX
	19,20			19,20	7,8
	16,16	NR			NR
E82CPQ	GlobalFiler™				
4	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	XX
	19,20			19,20	7,8
	16,16				11,12
EMB6B8	PowerPlex® Fusion 6C				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	16				
EWYYM6	GlobalFiler™				
4	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	XX
	19,20			19,20	7,8
	16,16	NR			NR
F6RTX8	GlobalFiler™ (STRmix)				
4	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	XX
	19,20			19,20	7,8
	16,16				11,12
FVP8EN	GlobalFiler™ (STRmix)				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				11,12

TABLE 1

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

Item 4 - STR Results

G3HYX2	PowerPlex® 21 (STRmix)				
4	11,13	17,21		16,17	12,12
	8,10	14,14		18,20	11,12
	18,19	13,15.2	27,30		X,X
	19,20	10,11	5,17		7,8
	16,16				15,17
G66KN4	PowerPlex® Fusion 5C				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17		7,8
	16	NR			11,12
G7J2PN	PowerPlex® Fusion				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X,X
	19,20	10,11	5,17		7,8
	16	NA			11,12
G8DTV3	GlobalFiler™				
4	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X,X
	19,20			19,20	7,8
	16,16				11,12
GMKUP4	PowerPlex® Fusion				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17		7,8
	16	NR			11,12
GN3ZUL	GlobalFiler™ (STRmix)				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				11,12
H9JHU6	Rapid Intel Plus				
4	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X,X
	19,20			19,20	7,8
	16,16				11,12

TABLE 1

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

Item 4 - STR Results

HDVM66	GlobalFiler™					
		11,13	17,21	12,14	16,17	12,12
4		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		19,20	7,8	11,12
		16,16				
J8N96L	GlobalFiler™					
		11,13	17,21	12,14	16,17	12,12
4		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20	--	--	19,20	7,8
		16,16	--	--	--	--
JEJFHZ	PowerPlex® Fusion					
		11,13	17,21	12,14	16,17	12
4		8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20	10,11	5,17	7,8	11,12
		16	NR			
JKAN9L	GlobalFiler™					
		11,13	17,21	12,14	16,17	12,12
4		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		19,20	7,8	11,12
		16,16	--		--	--
JN9Z4L	GlobalFiler™					
		11,13	17,21	12,14	16,17	12,12
4		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20	--	--	19,20	7,8
		16,16	--	--	--	--
JVT3A3	PowerPlex® Fusion 6C (STRmix V2.5.11)					
		11,13	17,21	12,14	16,17	12,12
4		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20	10,11	5,17	19,20	7,8
		16,16	NR	NR	NR	
K2WLML	PowerPlex® Fusion 6C					
		11,13	17,21	12,14	16,17	12
4		8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20	10,11	5,17	19,20	7,8
		16				

TABLE 1

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

Item 4 - STR Results

K3QCTZ	FlexPlex 27					
4		11,13	17,21	12,14	16,17	12,12
		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		5,17	19,20	7,8
		16,16				11,12
KNMV4Y	GlobalFiler™					
4		11,13	17,21	12,14	16,17	12,12
		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		19,20	7,8	11,12
		16,16	NR			NR
KRRE8L	PowerPlex® Fusion 6C					
4		11,13	17,21	12,14	16,17	12
		8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20	10,11	5,17	19,20	7,8
		16				11,12
KTL6DZ	FlexPlex 27					
4		11,13	17,21	12,14	16,17	12,12
		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		5,17	19,20	7,8
		16,16				11,12
KUW7ZY	GlobalFiler™					
4		11,13	17,21	12,14	16,17	12,12
		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		19,20	7,8	11,12
		16,16				
KWHTQ2	GlobalFiler™					
4		11,13	17,21	12,14	16,17	12
		8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		19,20	7,8	11,12
		16	NM			NM
LD27GX	PowerPlex® Fusion					
4		11,13	17,21	12,14	16,17	12
		8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20	10,11	5,17		7,8
		16	NR			11,12

TABLE 1

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

Item 4 - STR Results

LMBFAX	GlobalFiler™				
4	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X,X
	19,20			19,20	7,8
	16,16	NR			NR
M2PYLX	GlobalFiler™				
4	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X,X
	19,20			19,20	7,8
	16,16				11,12
M4CKCZ	PowerPlex® Fusion 6C (STRmix v2.9)				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				11,12
MNXEYF	PowerPlex® Fusion 6C				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				11,12
MZV9FJ	PowerPlex® Fusion 6C				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				11,12
N6JDMD	GlobalFiler™				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16	No results			No results
N7EVPF	GlobalFiler™ (STRmix)				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				11,12

TABLE 1

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

Item 4 - STR Results

NB6CXY	Identifiler®					
		17,21		16,17	12,12	
4		8,9,10	13,14		11,12	9,9
		18,19	13,15.2	20,27,28,29	X,X	8,10
		19,20			7,8	11,12
		16,16				
NTRTZV	PowerPlex® Fusion 5C					
		11,13	17,21	12,14	16,17	12
4		8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20	10,11	5,17		7,8
		16				11,12
PW4T2T	PowerPlex® 21 (STRmix)					
		11,13	17,21	16,17	12,12	15,17
4		8,10	14,14	18,20	11,12	9,9
		18,19	13,15.2	27,30	X,X	8,10
		19,20	10,11	5,17	7,8	11,12
		16,16				
PWNWAW	PowerPlex® 21 (STRmix v2.8)					
		11,13	17,21	16,17	12,12	15,17
4		8,10	14,14	18,20	11,12	9,9
		18,19	13,15.2	27,30	X,X	8,10
		19,20	10,11	5,17	7,8	11,12
		16,16				
PYAHZV	GlobalFiler™					
		11,13	17,21	12,14	16,17	12
4		8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20		19,20	7,8	8,10
		16				11,12
Q2VM9T	PowerPlex® Fusion					
		11,13	17,21	12,14	16,17	12
4		8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20	10,11	5,17	7,8	8,10
		16	NR			11,12
Q4YDJE	GlobalFiler™					
		11,13	17,21	12,14	16,17	12,12
4		8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		19,20	7,8	8,10
		16,16				11,12

TABLE 1

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

Item 4 - STR Results

Q9EPFV	GlobalFiler™				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X,X
	19,20			19,20	7,8
	16	NM			NM
QEHPWD	GlobalFiler™ (STRMIX)				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				
QLGCND	GlobalFiler™ (STRmix)				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				
QV8ZGU	FlexPlex 27				
4	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X,X
	19,20		5,17	19,20	7,8
	16,16				
QXBTDD	GlobalFiler™				
4	11,13	17,21	12,14	16,17	12
	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				
QY9ZGR	GlobalFiler™				
4	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X,X
	19,20			19,20	7,8
	16,16				
RHEXFD	GlobalFiler™				
4	11,13	17,21	12,14	16,17	12,12
	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X,X
	19,20			19,20	7,8
	16,16	--			--

TABLE 1

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

Item 4 - STR Results

RJ8NLR	GlobalFiler™					
		11,13	17,21	12,14	16,17	12,12
	4	8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		19,20	7,8	11,12
		16,16				
RMAUWR	PowerPlex® Fusion					
		11,13	17,21	12,14	16,17	12
	4	8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20	10,11	5,17	7,8	11,12
		16	NR			
RMUACU	GlobalFiler™					
		11,13	17,21	12,14	16,17	12
	4	8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		19,20	7,8	11,12
		16	NM		NM	
RQQW4W	GlobalFiler™					
		11,13	17,21	12,14	16,17	12,12
	4	8,10	14,14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X,X
		19,20		19,20	7,8	11,12
		16,16				
TDWZGP	PowerPlex® Fusion 6C					
		11,13	17,21	12,14	16,17	12
	4	8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20	10,11	5,17	19,20	7,8
		16				
TJM87P	PowerPlex® 21 (STRmix V2.8.0)					
		11,13	17,21		16,17	12,12
	4	8,10	14,14		18,20	11,12
		18,19	13,15.2	27,30		X,X
		19,20	10,11	5,17		7,8
		16,16				
TRGDZQ	PowerPlex® Fusion 6C (STRmix)					
		11,13	17,21	12,14	16,17	12
	4	8,10	14	13,14	18,20	11,12
		18,19	13,15.2	27,30	11,17	X
		19,20	10,11	5,17	19,20	7,8
		16				

TABLE 1

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

Item 4 - STR Results

U4RADT	RapidINTEL Plus					
4	11,13	17,21	12,14	16,17	12,12	
	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	X,X	8,10
	19,20			19,20	7,8	11,12
	16,16					
UGUVLA	GlobalFiler™ (STRmix)					
4	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20			19,20	7,8	11,12
	16					
UPAE7A	GlobalFiler™ (STRmix)					
4	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20			19,20	7,8	11,12
	16					
URFYRN	PowerPlex® 21 (STRmix V2.8)					
4	11,13	17,21		16,17	12,12	15,17
	8,10	14,14		18,20	11,12	9,9
	18,19	13,15.2	27,30		X,X	8,10
	19,20	10,11	5,17		7,8	11,12
	16,16					
UU3LHQ	PowerPlex® Fusion					
4	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17		7,8	11,12
	16	NR				
UYCWGC	PowerPlex® Fusion 6C					
4	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17	19,20	7,8	11,12
	16					
UZ7MMQ	FlexPlex27					
4	11,13	17,21	12,14	16,17	12,12	15,17
	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	X,X	8,10
	19,20			19,20	7,8	11,12
	16,16					

TABLE 1

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

Item 4 - STR Results

VDU8H9	GlobalFiler™ (STRmix)					
4	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20			19,20	7,8	11,12
	16					
WPW29N	PowerPlex® Fusion					
4	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17		7,8	11,12
	16	NR				
X3HRP6	GlobalFiler™ (STRmix)					
4	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20			19,20	7,8	11,12
	16					
X4XQ6N	FlexPlex27					
4	11,13	17,21	12,14	16,17	12,12	15,17
	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	XX	8,10
	19,20		5,17	19,20	7,8	11,12
	16,16					
XHETKQ	Identifiler® Plus					
4		17,21		16,17	12,12	
	8,10	14,14			11,12	9,9
	18,19	13,15.2	27,30		XX	8,10
	19,20				7,8	11,12
	16,16					
XVJ6VK	GlobalFiler™					
4	11,13	17,21	12,14	16,17	12,12	
	8,10	14,14	13,14	18,20	11,12	9,9
	18,19	13,15.2	27,30	11,17	XX	8,10
	19,20			19,20	7,8	11,12
	16,16					
XX7QLL	PowerPlex® Fusion					
4	11,13	17,21	12,14	16,17	12	
	8,10	14	13,14	18,20	11,12	9
	18,19	13,15.2	27,30	11,17	X	8,10
	19,20	10,11	5,17		7,8	11,12
	16	N/R				

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818
	D7S820	D8S1179	D10S1248	D12S391	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

Y8G3K6	GlobalFiler™ (STRMIX)				
	11,13	17,21	12,14	16,17	12
4	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				11,12
YAYPTH	PowerPlex® 21 (STRmix version 2.8)				
	11,13	17,21		16,17	12,12
4	8,10	14,14		18,20	11,12
	18,19	13,15.2	27,30		X,X
	19,20	10,11	5,17		7,8
	16,16				11,12
YAZGN6	GlobalFiler™ (STRmix version 2.7)				
	11,13	17,21	12,14	16,17	12
4	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				11,12
YG3DQQ	GlobalFiler™				
	11,13	17,21	12,14	16,17	12,12
4	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X,X
	19,20			19,20	7,8
	16,16				11,12
Z9JKW7	PowerPlex® Fusion 6C				
	11,13	17,21	12,14	16,17	12
4	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20	10,11	5,17	19,20	7,8
	16				11,12
ZCLLW3	GlobalFiler™ (STRMIX)				
	11,13	17,21	12,14	16,17	12
4	8,10	14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X
	19,20			19,20	7,8
	16				11,12
ZQZUVL	PowerPlex® Fusion 6C				
	11,13	17,21	12,14	16,17	12,12
4	8,10	14,14	13,14	18,20	11,12
	18,19	13,15.2	27,30	11,17	X,X
	19,20	10,11	5,17	19,20	7,8
	16,16	NR	NR	NR	11,12

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 1 - YSTR Results										
2YQQYY	PowerPlex® Y 23									
1	16	12,12	13	28	23	10	11	13		
	15	10	13	20	15	17		23		
	12	10	20	16		21	12	12		
4N72DY	Yfiler™ Plus									
1	35,36	16	12	13	28	23	10	11	13	
	15	10	13	20	32	15	17	11	23	
	36	12		20	16	21	21		12	
6F2NNF	Yfiler™ Plus									
1	35,36	16	12	13	28	23	10	11	13	
	15	10	13	20	32	15	17	11	23	
	36	12		20	16	21	21		12	
6NVUHG	PowerPlex® Y 23									
1	16	12	13	28	23	10	11	13		
	15	10	13	20	15	17		23		
	12	10	20	16		21	12	12		
6PG7P3	PowerPlex® Y 23									
1	16	12	13	28	23	10	11	13		
	15	10	13	20	15	17		23		
	12	10	20	16		21	12	12		
6UPRBE	PowerPlex® Y 23									
1	16	12,12	13	28	23	10	11	13		
	15	10	13	20	15	17		23		
	12	10	20	16		21	12	12		
6VKACF	Yfiler™									
1	16	12	13	28	23	10	11	13		
	15	10	13	20	15	17				
						21		12		
748UQC	PowerPlex® Y 23									
1	16	12,12	13	28	23	10	11	13		
	15	10	13	20	15	17		23		
	12	10	20	16		21	12	12		
7PAL9D	Yfiler™ Plus									
1	35,36	16	12	13	28	23	10	11	13	
	15	10	13	20	32	15	17	11	23	
	36	12		20	16	21	21		12	
8GBBJZ	PowerPlex® Y 23									
1	16	12	13	28	23	10	11	13		
	15	10	13	20	15	17		23		
	12	10	20	16		21	12	12		
97NU2C	PowerPlex® Y 23									
1	16	12,12	13	28	23	10	11	13		
	15	10	13	20	15	17		23		
	12	10	20	16		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 1 - YSTR Results										
9VN77A	PowerPlex® Y 23									
1	16	12	13	28	23	10	11	13		
	15	10	13	20	15	17		23		
	12	10	20	16		21	12	12		
A8W4UA	PowerPlex® Y 23									
1	16	12,12	13	28	23	10	11	13		
	15	10	13	20	15	17		23		
	12	10	20	16		21	12	12		
AAJPKC	Yfiler™									
1	16	12	13	28	23	10	11	13		
	15	10	13	20	15	17				
						21		12		
ABWEPA	Yfiler™ Plus									
1	35,36	16	12	13	28	23	10	11	13	
	15	10	13	20	32	15	17	11	23	
	36	12		20	16	21	21		12	
AWDRFC	PowerPlex® Y 23									
1	16	12	13	28	23	10	11	13		
	15	10	13	20	15	17		23		
	12	10	20	16		21	12	12		
AWYAGC	Yfiler™									
1	16	12	13	28	23	10	11	13		
	15	10	13	20	15	17				
						21		12		
BEBCVB	PowerPlex® Y 23									
1	16	12	13	28	23	10	11	13		
	15	10	13	20	15	17		23		
	12	10	20	16		21	12	12		
BJH3TB	PowerPlex® Y 23									
1	16	12	13	28	23	10	11	13		
	15	10	13	20	15	17		23		
	12	10	20	16		21	12	12		
CNTFBA	Yfiler™									
1	16	12	13	28	23	10	11	13		
	15	10	13	20	15	17				
						21		12		
CNXWA9	Yfiler™ Plus									
1	35,36	16	12	13	28	23	10	11	13	
	15	10	13	20	32	15	17	11	23	
	36	12		20	16	21	21		12	
CYG839	Yfiler™									
1	16	12	13	28	23	10	11	13		
	15	10	13	20	15	17				
						21		12		
D7TPU7	PowerPlex® Y 23									
1	16	12,12	13	28	23	10	11	13		
	15	10	13	20	15	17		23		
	12	10	20	16		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 1 - YSTR Results										
DBLRY7	Yfiler™ Plus									
1	35,36	16	12	13	28	23	10	11	13	
	15	10	13	20	32	15	17	11	23	
	36	12		20	16	21	21		12	
DEMUN8	Yfiler™ Plus									
1	35,36	16	12	13	28	23	10	11	13	
	15	10	13	20	32	15	17	11	23	
	36	12		20	16	21	21		12	
DMWGF9	PowerPlex® Y 23									
1		16	12	13	28	23	10	11	13	
	15	10	13	20		15	17		23	
		12	10	20	16		21	12	12	
DP7826	Yfiler™ Plus									
1	35,36	16	12	13	28	23	10	11	13	
	15	10	13	20	32	15	17	11	23	
	36	12		20	16	21	21		12	
DT6HX6	Yfiler™ Plus									
1	35,36	16	12	13	28	23	10	11	13	
	15	10	13	20	32	15	17	11	23	
	36	12		20	16	21	21		12	
DU22Y7	Yfiler™ Plus									
1	35,36	16	12,12	13	28	23	10	11	13	
	15	10	13	20	32	15	17	11	23	
	36	12		20	16	21	21		12	
F6RTX8	PowerPlex® Y 23									
1		16	12,12	13	28	23	10	11	13	
	15	10	13	20		15	17		23	
		12	10	20	16		21	12	12	
FRZZR7	PowerPlex® Y 23									
1		16	12,12	13	28	23	10	11	13	
	15	10	13	20		15	17		23	
		12	10	20	16		21	12	12	
FVP8EN	Yfiler™ Plus									
1	35,36	16	12	13	28	23	10	11	13	
	15	10	13	20	32	15	17	11	23	
	36	12		20	16	21	21		12	
G66KN4	Yfiler™ Plus									
1	35,36	16	12	13	28	23	10	11	13	
	15	10	13	20	32	15	17	11	23	
	36	12		20	16	21	21		12	
G8DTV3	Yfiler™									
1		16	12	13	28	23	10	11	13	
	15	10	13	20		15	17			
							21		12	
GMKUP4	Yfiler™ Plus									
1	35,36	16	12	13	28	23	10	11	13	
	15	10	13	20	32	15	17	11	23	
	36	12		20	16	21	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 1 - YSTR Results

GN3ZUL	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
1	36	12		20	16	21	21		12
JEJFHZ	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
1	36	12		20	16	21	21		12
JKAN9L	PowerPlex® Y 23								
		16	12,12	13	28	23	10	11	13
	15	10	13	20		15	17		23
1		12	10	20	16		21	12	12
JVT3A3	PowerPlex® Y 23								
		16	12,12	13	28	23	10	11	13
	15	10	13	20		15	17		23
1		12	10	20	16		21	12	12
KUW7ZY	Yfiler™								
		16	12	13	28	23	10	11	13
	15	10	13	20		15	17		
1							21		12
KWHTQ2	Yfiler™								
		16	12	13	28	23	10	11	13
	15	10	13	20		15	17		
1							21		12
LD27GX	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
1	36	12		20	16	21	21		12
MZV9FJ	PowerPlex® Y 23								
		16	12	13	28	23	10	11	13
	15	10	13	20		15	17		23
1		12	10	20	16		21	12	12
N7EVPF	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
1	36	12		20	16	21	21		12
Q2VM9T	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
1	36	12		20	16	21	21		12
Q9EPFV	Yfiler™								
		16	12	13	28	23	10	11	13
	15	10	13	20		15	17		
1							21		12
QLGCND	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
1	36	12		20	16	21	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 1 - YSTR Results									
RHEXFD	PowerPlex® Y 23								
1		16	12,12	13	28	23	10	11	13
	15	10	13	20		15	17		23
		12	10	20	16		21	12	12
RMAUWR	Yfiler™ Plus								
1	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
	36	12		20	16	21	21		12
RMUACU	Yfiler™								
1		16	12	13	28	23	10	11	13
	15	10	13	20		15	17		
							21		12
TRGDZQ	PowerPlex® Y 23								
1		16	12,12	13	28	23	10	11	13
	15	10	13	20		15	17		23
		12	10	20	16		21	12	12
UPAE7A	Yfiler™ Plus								
1	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
	36	12		20	16	21	21		12
UU3LHQ	Yfiler™ Plus								
1	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
	36	12		20	16	21	21		12
UYCWGC	PowerPlex® Y 23								
1		16	12	13	28	23	10	11	13
	15	10	13	20		15	17		23
		12	10	20	16		21	12	12
WPW29N	Yfiler™ Plus								
1	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
	36	12		20	16	21	21		12
X3HRP6	Yfiler™ Plus								
1	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
	36	12		20	16	21	21		12
XX7QLL	Yfiler™ Plus								
1	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
	36	12		20	16	21	21		12
Y8G3K6	Yfiler™ Plus								
1	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
	36	12		20	16	21	21		12
ZCLLW3	Yfiler™ Plus								
1	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
	36	12		20	16	21	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 1 - YSTR Results

ZQZUVL	PowerPlex® Y 23								
1		16	12,12	13	28	23	10	11	13
	15	10	13	20		15	17		23
		12	10	20	16		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

4N72DY	Yfiler™ Plus								
3	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
	36	12		20	16	21	21		12
6F2NNF	Yfiler™ Plus								
3	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
	36	12		20	16	21	21		12
6NVUHG	PowerPlex® Y 23								
3		16	12	13	28	23	10	11	13
	15	10	13	20		15	17		23
		12	10	20	16		21	12	12
6PG7P3	PowerPlex® Y 23								
3		16	12	13	28	23	10	11	13
	15	10	13	20		15	17		23
		12	10	20	16		21	12	12
6UPRBE	PowerPlex® Y 23								
3		16	12,12	13	28	23	10	11	13
	15	10	13	20		15	17		23
		12	10	20	16		21	12	12
6VKACF	Yfiler™								
3		16	12	13	28	23	10	11	13
	15	10	13	20		15	17		
							21		12
748UQC	PowerPlex® Y 23								
3		16	12,12	13	28	23	10	11	13
	15	10	13	20		15	17		23
		12	10	20	16		21	12	12
7PAL9D	Yfiler™ Plus								
3	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
	36	12		20	16	21	21		12
8GBBJZ	PowerPlex® Y 23								
3		16	12	13	28	23	10	11	13
	15	10	13	20		15	17		23
		12	10	20	16		21	12	12
9VN77A	PowerPlex® Y 23								
3		16	12	13	28	23	10	11	13
	15	10	13	20		15	17		23
		12	10	20	16		21	12	12
A8W4UA	PowerPlex® Y 23								
3		16	12,12	13	28	23	10	11	13
	15	10	13	20		15	17		23
		12	10	20	16		21	12	12
AAJPKC	Yfiler™								
3		16	12	13	28	23	10	11	13
	15	10	13	20		15	17		
							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

ABWEPA	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
3	15	10	13	20	32	15	17	11	23
	36	12		20	16	21	21		12
AWYAGC	Yfiler™								
		16	12	13	28	23	10	11	13
3	15	10	13	20		15	17		
							21		12
BEBCVB	PowerPlex® Y 23								
		16	12	13	28	23	10	11	13
3	15	10	13	20		15	17		23
		12	10	20	16		21	12	12
BJH3TB	PowerPlex® Y 23								
		16	12	13	28	23	10	11	13
3	15	10	13	20		15	17		23
		12	10	20	16		21	12	12
CNTFBA	Yfiler™								
		16	12	13	28	23	10	11	13
3	15	10	13	20		15	17		
							21		12
CNXWA9	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
3	15	10	13	20	32	15	17	11	23
	36	12		20	16	21	21		12
CYG839	Yfiler™								
		16	12	13	28	23	10	11	13
3	15	10	13	20		15	17		
							21		12
D7TPU7	PowerPlex® Y 23								
		16	12,12	13	28	23	10	11	13
3	15	10	13	20		15	17		23
		12	10	20	16		21	12	12
DBLR7	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
3	15	10	13	20	32	15	17	11	23
	36	12		20	16	21	21		12
DEMUN8	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
3	15	10	13	20	32	15	17	11	23
	36	12		20	16	21	21		12
DMWGF9	PowerPlex® Y 23								
		16	12	13	28	23	10	11	13
3	15	10	13	20		15	17		23
		12	10	20	16		21	12	12
DP7826	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
3	15	10	13	20	32	15	17	11	23
	36	12		20	16	21	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

DT6HX6	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
3	36	12		20	16	21	21		12
DU22Y7	Yfiler™ Plus								
	35,36	16	12,12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
3	36	12		20	16	21	21		12
F6RTX8	PowerPlex® Y 23								
		16	12,12	13	28	23	10	11	13
	15	10	13	20		15	17		23
3		12	10	20	16		21	12	12
FVP8EN	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
3	36	12		20	16	21	21		12
G66KN4	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
3	36	12		20	16	21	21		12
G8DTV3	Yfiler™								
		16	12	13	28	23	10	11	13
	15	10	13	20		15	17		
3							21		12
GMKUP4	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
3	36	12		20	16	21	21		12
GN3ZUL	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
3	36	12		20	16	21	21		12
JEJFHZ	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
3	36	12		20	16	21	21		12
JKAN9L	PowerPlex® Y 23								
		16	12,12	13	28	23	10	11	13
	15	10	13	20		15	17		23
3		12	10	20	16		21	12	12
JVT3A3	PowerPlex® Y 23								
		16	12,12	13	28	23	10	11	13
	15	10	13	20		15	17		23
3		12	10	20	16		21	12	12
KUW7ZY	Yfiler™								
		16	12	13	28	23	10	11	13
	15	10	13	20		15	17		
3							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										
KWHTQ2	Yfiler™									
3		16	12	13	28	23	10	11	13	
	15	10	13	20		15	17			
							21		12	
LD27GX	Yfiler™ Plus									
3	35,36	16	12	13	28	23	10	11	13	
	15	10	13	20	32	15	17	11	23	
	36	12		20	16	21	21		12	
MZV9FJ	PowerPlex® Y 23									
3		16	12	13	28	23	10	11	13	
	15	10	13	20		15	17		23	
		12	10	20	16		21	12	12	
N7EVPF	Yfiler™ Plus									
3	35,36	16	12	13	28	23	10	11	13	
	15	10	13	20	32	15	17	11	23	
	36	12		20	16	21	21		12	
Q2VM9T	Yfiler™ Plus									
3	35,36	16	12	13	28	23	10	11	13	
	15	10	13	20	32	15	17	11	23	
	36	12		20	16	21	21		12	
Q9EPFV	Yfiler™									
3		16	12	13	28	23	10	11	13	
	15	10	13	20		15	17			
							21		12	
QLGCND	Yfiler™ Plus									
3	35,36	16	12	13	28	23	10	11	13	
	15	10	13	20	32	15	17	11	23	
	36	12		20	16	21	21		12	
RHEXFD	PowerPlex® Y 23									
3		16	12,12	13	28	23	10	11	13	
	15	10	13	20		15	17		23	
		12	10	20	16		21	12	12	
RMAUWR	Yfiler™ Plus									
3	35,36	16	12	13	28	23	10	11	13	
	15	10	13	20	32	15	17	11	23	
	36	12		20	16	21	21		12	
RMUACU	Yfiler™									
3		16	12	13	28	23	10	11	13	
	15	10	13	20		15	17			
							21		12	
TRGDZQ	PowerPlex® Y 23									
3		16	12,12	13	28	23	10	11	13	
	15	10	13	20		15	17		23	
		12	10	20	16		21	12	12	
UPAE7A	Yfiler™ Plus									
3	35,36	16	12	13	28	23	10	11	13	
	15	10	13	20	32	15	17	11	23	
	36	12		20	16	21	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

UU3LHQ	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
3	36	12		20	16	21	21		12
	PowerPlex® Y 23								
		16	12	13	28	23	10	11	13
UYCWGC	15	10	13	20		15	17		23
		12	10	20	16		21	12	12
WPW29N	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
3	36	12		20	16	21	21		12
	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
X3HRP6	15	10	13	20	32	15	17	11	23
	36	12		20	16	21	21		12
XX7QLL	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
3	36	12		20	16	21	21		12
	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
Y8G3K6	15	10	13	20	32	15	17	11	23
	36	12		20	16	21	21		12
ZCLLW3	Yfiler™ Plus								
	35,36	16	12	13	28	23	10	11	13
	15	10	13	20	32	15	17	11	23
3	36	12		20	16	21	21		12
	PowerPlex® Y 23								
		16	12,12	13	28	23	10	11	13
ZQZUVL	15	10	13	20		15	17		23
		12	10	20	16		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 4 - YSTR Results										
6F2NNF		Yfiler™ Plus								
4		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR		NR	NR	NR	NR		NR
CNXWA9		Yfiler™ Plus								
4		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR		NR	NR	NR	NR		NR
DEMUN8		Yfiler™ Plus								
4		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR		NR	NR	NR	NR		NR
G66KN4		Yfiler™ Plus								
4		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR		NR	NR	NR	NR		NR
GMKUP4		Yfiler™ Plus								
4		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR		NR	NR	NR	NR		NR
JEJFHZ		Yfiler™ Plus								
4		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR		NR	NR	NR	NR		NR
LD27GX		Yfiler™ Plus								
4		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR		NR	NR	NR	NR		NR
Q2VM9T		Yfiler™ Plus								
4		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR		NR	NR	NR	NR		NR
RMAUWR		Yfiler™ Plus								
4		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR		NR	NR	NR	NR		NR
UU3LHQ		Yfiler™ Plus								
4		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR		NR	NR	NR	NR		NR
WPW29N		Yfiler™ Plus								
4		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR		NR	NR	NR	NR		NR
XX7QLL		Yfiler™ Plus								
4		N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
		N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
		N/R	N/R		N/R	N/R	N/R	N/R		N/R

Additional DNA Results

TABLE 3

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

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

DNA Interpretations

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

TABLE 4

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
2G73MJ	Yes	No	No	Yes	7PAL9D	Yes	No	No	Yes
2QWNTG	Yes	No	No	Yes	8GBBJZ	Yes	No	No	Yes
2TJAJJ	Yes	No	No	Yes	8Z4C9B	Yes	No	No	Yes
2YQQYY	No Interpretations Reported, DNA Analyzed for Database purposes only.				97NU2C	No Interpretations Reported, DNA Analyzed for Database purposes only.			
33Q6HH	Yes	No	No	Yes	99DZNU	Yes	No	No	Yes
3FCCG6	Yes	No	No	Yes	9KRV4U	No Interpretations Reported, DNA Analyzed for Database purposes only.			
3K7EJJ	Yes	No	No	Yes	9VN77A	Yes	No	No	Yes
4N72DY	Yes	No	No	Yes	A8W4UA	Yes	No	No	Yes
6F2NNF	Yes	No	No	Yes	AAJPKC	Yes	No	No	Yes
6NVUHG	Yes	No	No	Yes	ABWEPA	Yes	No	No	Yes
6PG7P3	Yes	No	No	Yes	AEEJHD	Yes	No	No	Yes
6UPRBE	Yes	No	No	Yes	AUCNQB	Yes	No	No	Yes
6UQJ72	Yes	No	No	Yes	AWDRFC	No Interpretations Reported, DNA Analyzed for Database purposes only.			
6VKACF	No Interpretations Reported, DNA Analyzed for Database purposes only.				AWYAGC	Yes	No	No	Yes
6X7W3H	Yes	No	No	Yes	BEBCVB	Yes	No	No	Yes
748UQC	Yes	No	No	Yes	BJH3TB	Yes	No	No	Yes
7CLCRY	Yes	No	No	Yes	C4998T	Yes	No	No	Yes
7FNDRW	No Interpretations Reported, DNA Analyzed for Database purposes only.				CF3PWU	Yes	No	No	Yes
7KFGKZ	Yes	No	No	Yes	CKBBJ7	Yes	No	No	Yes
7LA8QE	No Interpretations Reported, DNA Analyzed for Database purposes only.				CNTFBA	Yes	No	No	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
CNXWA9	Yes	No	No	Yes	FVP8EN	Yes	No	No	Yes
CQJGEC	Yes	No	No	Yes	G3HYX2	Yes	No	No	Yes
CXMFUW	Yes	No	No	Yes	G66KN4	Yes	No	No	Yes
CYG839	No Interpretations Reported, DNA Analyzed for Database purposes only.				G7J2PN	Yes	No	No	Yes
CYHYXV	Yes	No	No	Yes	G8DTV3	No Interpretations Reported, DNA Analyzed for Database purposes only.			
D3CFMU	Yes	No	No	Yes	GF8V2K	No Interpretations Reported, DNA Analyzed for Database purposes only.			
D7TPU7	Yes	No	No	Yes	GMKUP4	Yes	No	No	Yes
DBLRY7	Yes	No	No	Yes	GN3ZUL	Yes	No	No	Yes
DCZ9X6	Yes	No	No	Yes	H9JHU6	Yes	No	No	Yes
DEMUN8	Yes	No	No	Yes	HDVM66	Yes	No	No	Yes
DJYVQQ	Yes	No	No	Yes	J8N96L	Yes	No	No	Yes
DMWGF9	Yes	No	No	Yes	JEJFHZ	Yes	No	No	Yes
DP7826	Yes	No	No	Yes	JKAN9L	Yes	No	No	Yes
DT6HX6	Yes	No	No	Yes	JN9Z4L	Yes	No	No	Yes
DTPGWN	Yes	No	No	Yes	JVT3A3	Yes	No	No	Yes
DU22Y7	Yes	No	No	Yes	K2WLML	Yes	No	No	Yes
E82CPQ	Yes	No	No	Yes	K3QCTZ	Yes	No	No	Yes
EMB6B8	Yes	No	No	Yes	KNMV4Y	Yes	No	No	Yes
EWYYM6	Yes	No	No	Yes	KRRE8L	Yes	No	No	Yes
F6RTX8	Yes	No	No	Yes	KTL6DZ	Yes	No	No	Yes
FRZZR7	No Interpretations Reported, DNA Analyzed for Database purposes only.				KUW7ZY	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
KWHTQ2	Yes	No	No	Yes	QXBTDD	No Interp	No Interp	No Interp	No Interp
LD27GX	Yes	No	No	Yes	QY9ZGR	Yes	No	No	Yes
LMBFAX	Yes	No	No	Yes	RHEXFD	Yes	No	No	Yes
M2PYLX	No Interpretations Reported, DNA Analyzed for Database purposes only.				RJ8NLR	No Interpretations Reported, DNA Analyzed for Database purposes only.			
M4CKCZ	Yes	No	No	Yes	RMAUWR	Yes	No	No	Yes
MNXEYF	Yes	No	No	Yes	RMUACU	Yes	No	No	Yes
MR4RQF	No Interpretations Reported, DNA Analyzed for Database purposes only.				RQQW4W	Yes	No	No	Yes
MZV9FJ	Yes	No	No	Yes	TDWZGP	Yes	No	No	Yes
N6JDMD	Yes	No	No	Yes	TJM87P	Yes	No	No	Yes
N7EVPF	Yes	No	No	Yes	TRGDZQ	Yes	No	No	Yes
NB6CXY	Yes	No	No	Yes	U4RADT	Yes	No	No	Yes
NTRTZV	Yes	No	No	Yes	UGUVLA	Yes	No	No	Yes
PW4T2T	Yes	No	No	Yes	UPAE7A	Yes	No	No	Yes
PWNWAU	Yes	No	No	Yes	URFYRN	Yes	No	No	Yes
PYAHZV	Yes	No	No	Yes	UU3LHQ	Yes	No	No	Yes
Q2VM9T	Yes	No	No	Yes	UYCWGC	Yes	No	No	Yes
Q4YDJE	Yes	No	No	Yes	UZ7MMQ	Yes	No	No	Yes
Q9EPFV	Yes	No	No	Yes	VDU8H9	Yes	No	No	Yes
QEHPWD	Yes	No	No	Yes	WPW29N	Yes	No	No	Yes
QLGCND	Yes	No	No	Yes	X3HRP6	Yes	No	No	Yes
QV8ZGU	Yes	No	No	Yes	X4XQ6N	Yes	No	No	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
XHETKQ	Yes	No	No	Yes					
XVJ6VK	Yes	No	No	Yes					
XX7QLL	Yes	No	No	Yes					
Y8G3K6	Yes	No	No	Yes					
YAYPTH	Yes	No	No	Yes					
YAZGN6	Yes	No	No	Yes					
YG3DQQ	Yes	No	No	Yes					
Z9JKW7	Yes	No	No	Yes					
ZCLLW3	Yes	No	No	Yes					
ZQZUVL	Yes	No	No	Yes					

DNA Interpretation				
Response Summary	Participants reporting DNA results: 134			
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	118	0	0	118
No	0	118	118	0
Inc	0	0	0	0
No Interpretation	1	1	1	1
No Response	0	0	0	0

Participants analyzing DNA for database purposes only: 15

Additional Comments

TABLE 5

WebCode	Additional Comments
2YQQYY	NR=No Results.
3K7EJJ	A male DNA profile was obtained from Item 1 for comparison purposes. A partial female DNA profile was obtained from Item 2 for comparison purposes. No comparisons were made at locations with insufficient genetic information. The partial male DNA profile from Item 3 matches Victim. The estimated frequency of this profile is one person in 13 octillion random, unrelated individuals based on the relevant [Country] populations. This profile does not match Suspect. The female DNA profile from Item 4 matches Suspect. The estimated frequency of this profile is one person in 18 octillion random, unrelated individuals based on the relevant [Country] populations. This profile does not match Victim. No DNA profiles were entered into the State Rapid DNA database or the Combined DNA Index System (CODIS).
6F2NNF	NR = NO RESULTS. STRMIX ANALYSIS CONDUCTED. ANALYSIS PERFORMED AND REPORTED USING GMID-X.
97NU2C	NR = No Result
9KRV4U	Examiner is only competent in testing of known reference standards. Unknown samples were not tested and no interpretation was performed.
AAJPKC	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using Qiasymphony DNA Investigator kit via Qiasymphony SP. Quantitation: Item 3 and Item 4 were quantified using Quantifiler Trio Quantification kit via QS5 system. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express on ProFlex PCR system. Item 3 and Item 4 were amplified using GlobalFiler on 9700 GeneAmp PCR system. Item 1 and Item 3 were amplified using AmpFISTR Y-filer kit on 9700 GeneAmp PCR system. Electrophoresis: All electrophoresis were carried out using Genetic Analyzer 3500xl for Item 1, Item 2, Item 3 and Item 4. Quality Control: Reagent blank, Positive Control, Negative Control were carried out throughout the analysis all gave intended results. NM = Non-male profile.
ABWEPA	NR = No Result
AWDRFC	NR = No Result
AWYAGC	Extraction: -Item 1 and Item 2 were extracted using insitu method. -Item 3 and item 4 were extracted using Qiasymphony DNA Investigator Kit via QIAAsymphony SP. Quantitation: -Item 3 and Item 4 were quantified using Quantifiler Trio Quantification Kit via QS5 system. Amplification: -Item 1 and Item 2 were amplified using GlobalFiler Express on 9700 GeneAmp PCR system. -Item 3 and Item 4 were amplified using GlobalFiler on 9700 GeneAmp PCR system. -Item 1 and Item 3 were amplified using AMPFLSTR Y-Filer Kit on 9700 GeneAmp PCR System. Electrophoresis: -All electrophoresis were carried out using Genetic Analyzer 3500xL. Quality Control: -Reagent blank, Positive Control and Negative Control carried out throughout the analysis all gave intended results. -NM: non male profile.
BEBCVB	NR = No Result
CNTFBA	Extraction : 1) Item 1 and Item 2 were extracted using in-situ method. 2) Item 3 and Item 4 were extracted using DNA Investigator Kit via QIAAsymphony SP. Quantification : Item 3 and 4 were quantified using Quantifiler Trio DNA Quantitation Kit on QuantStudio 5. Amplifications : 1) Item 1 and Item 2 were amplified using the GlobalFiler Express kit on Proflex PCR System. 2) Item 3 and Item 4 were amplified using the GlobalFiler PCR Amplification Kit on 9700 GeneAmp PCR System. 3) Item 1 and Item 3 were also amplified using AmpFISTR YFiler kit on 9700 GeneAmp PCR System. Electrophoresis : Capillary electrophoresis on all amplified samples (GlobalFiler Express, Globalfiler PCR and YFiler) were carried out on Genetic Analyzer 3500xL. Quality Control : Reagent Blank, Positive Control and Negative Control were carried out along with the analysis and all gave the intended results. NM : non-male profile.
CNXWA9	-STRmix analysis was conducted on this test. -The data reported out in this test is from analysis using GeneMapper ID-X. -NR=No results.
CQJGEC	The laboratory does not distinguish minor alleles as a probabilistic genotyping system is used and a stochastic threshold is not employed. Blank spaces in the STR results table indicate that results were not obtained at that locus.

TABLE 5

WebCode	Additional Comments
DEMUN8	NR = NO RESULTS. STRmix ANALYSIS CONDUCTED ON THIS TEST. DATA REPORTED OUT IN THIS TEST IS FROM ANALYSIS USING GeneMapper ID-X.
DMWGF9	NR = No Result
DP7826	Y-STR analysis was not performed on Item 4 because no male DNA was detected using Quantifiler Trio.
DT6HX6	Y-STR analysis was not performed on Item 4 because no male DNA was detected using Quantifiler Trio.
DU22Y7	NR = No DNA Result
E82CPQ	STRmix analysis was conducted on this test.
EWYYM6	NR = No DNA results
F6RTX8	Blanks cells indicate that no results were obtained at that locus.
FRZZR7	NR = No Result
G66KN4	"NR" = No Results. STRmix analysis was conducted on this test. Reported data is from analysis using GeneMapper ID-X.
GMKUP4	NR = No Results. Data reported out in this test is from analysis using GeneMapper ID-X. STRmix analysis was conducted on this test.
J8N96L	STRmix analysis was conducted on this test.
JEJFHZ	STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X. NR=no results.
JKAN9L	STRmix analysis was conducted on this test. A differential separation was performed on Q1.3.1 and Q1.4.1. Q1.3.1s and Q1.4.1s both stopped at the quant step due to no human DNA being detected. Thus the results reported on in CTS are on Q1.3.1e and Q1.4.1e.
JN9Z4L	STRmix analysis was conducted on this test.
JVT3A3	NR = No Results.
K3QCTZ	This test was processed using ANDE Rapid DNA.
KTL6DZ	A male DNA profile was obtained from Item 1 for comparison purposes. A partial female DNA profile was obtained from Item 2 for comparison purposes. The male DNA profile from Item 3 matches Victim. The estimated frequency of this profile is one person in 860 octillion random, unrelated individuals based on the relevant [Country] populations. This profile does not match Suspect. The female DNA profile from Item 4 matches Suspect. The estimated frequency of this profile is one person in 1.3 octillion random, unrelated individuals based on the relevant [Country] populations. This profile does not match Victim. No DNA profiles were entered into the State Rapid DNA database or the Combined DNA Index System (CODIS).
KWHTQ2	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIASymphony DNA Investigator Kit via QIASymphony SP. Quantification: Item 3 and Item 4 were quantified using 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 1 and Item 3 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 : represents non-male profile.
LD27GX	NR=No Results. STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
LMBFAX	NR= no DNA results

TABLE 5

WebCode	Additional Comments
Q2VM9T	NR= No Results. STRmix analysis was conducted on this test. Data reported is from analysis using GeneMapper ID-X.
Q4YDJE	STRmix analysis was conducted on this test. Items 3 and 4 were extracted via differential separation, per laboratory protocol. No DNA was detected in the sperm fractions for Items 3 and 4, so the report will reflect the non-sperm (epithelial) fractions only for Items 3 and 4. The sperm fractions were not processed past the quantification step for these items.
Q9EPFV	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIASymphony DNA Investigator Kit via QIASymphony SP. Quantification: Item 3 and Item 4 were quantified using 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 1 and Item 3 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: Represents non-male profile.
QXBTDD	Test participant functions as a Y-screen analyst; therefore, interpretations not reported.
RHEXFD	STRmix analysis was completed on this test.
RMAUWR	NR = No Results. Data reported is from analysis using GeneMapper ID-x. STRmix analysis was performed on this test.
RMUACU	Extraction: Item 1 and Item 2 were extracted using the in-situ extraction method while Item 3 and Item 4 were extracted using the Automate Express Forensic DNA Extraction System with PrepFiler Express Kit method. Quantification: Item 3 and Item 4 were quantified using the Quantifiler Trio DNA Quantification kit on the Applied Biosystem QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using the Globalfiler Express PCR Amplification kit on the 9700 GeneAmp PCR System while Item 3 and Item 4 were amplified using the Globalfiler PCR Amplification kit on the 9700 GeneAmp PCR System. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 1 and Item 3 using the AmpFISTR Y-filer PCR Amplification kit on the 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on the Applied Biosystems 3500xL Genetic Analyzer with GeneMapper ID-X Software for Item 1 and Item 2 (Globalfiler Express) and Item 3 and Item 4 (Globalfiler). Electrophoresis for Y-Filer was carried out on the Applied Biosystems 3500xl Genetic Analyzer with GeneMapper ID-X Software for Item 1 and Item 3. Quality Control: Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results. Abbreviation: NM : Non-male Profile.
UU3LHQ	NR = No Results. STRmix analysis was conducted on Item 3. The data reported out in this test is from analysis using GeneMapper ID-X.
WPW29N	NR = No results. STRmix analysis conducted on Item 3. Reported data from analysis using GMID-X. Conclusions based on PowerPlex Fusion 5C results.
XX7QLL	N/R = No Results. Samples analyzed and reported using Genemapper ID-X. STRmix analysis was conducted on this test.
ZQZUVL	NR= No Result

-End of Report-
(Appendix may follow)

Test No. 25-5803: DNA-Blood

DATA MUST BE SUBMITTED BY **June 23, 2025, 11:59 p.m. EDT** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: WCE8YJ

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

Scenario:

Police are investigating a physical assault involving a male victim and female suspect. The victim reported to police that the suspect punched him several times. He hit the suspect in an attempt to escape. Both individuals have severe injuries. The suspect has been apprehended by police. Police are submitting to your laboratory a stain from the shirt the suspect was wearing at the time of the assault (Item 3) and a stain from the shirt the victim was wearing at the time of the assault (Item 4). Screening tests have been performed on both samples with the following results: Item 3 (suspect's shirt) is positive for blood, and Item 4 (victim's shirt) is positive for blood. Also collected were known blood samples from the male victim (Item 1) and the female suspect (Item 2).

Items Submitted (Sample Pack S3):

Item 1: Known blood from the male victim

Item 2: Known blood from the female suspect

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

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

Part I (continued): DNA Results for Known Item 2

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

STR Amplification Kit(s) Used:

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

☐ Identifiler® ☐ GlobalFiler™ ☐ Investigator® 24plex
☐ PowerPlex® Other

Report the Probabilistic Genotyping Software Used (if applicable):

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

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2						
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
2						
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
2						
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
2						
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
2						

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.

Locus	Item 1	Item 2	Item 3	Item 4

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)