



DNA-Blood Test No. 26-5803

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 109 participants and are compiled into the following tables:

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

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

Manufacturer's Information

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

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

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

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

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

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	14,15	20,23	14,14	15,16	13,13	*
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18	NM	NM	NM	NM	
2	14,16	17,17	10,14	15,16	11,13	*
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18	2	
3	14,16	17,17	10,14	15,16	11,13	*
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18	2	
4	14,15	20,23	14,14	15,16	13,13	*
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18	NM	NM	NM	NM	

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

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

YSTR Results

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

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
2	36,37	14	11,15	13	28	24	10	13	13
	15	12	12	18	28	16	17	11	23
	39	12	11	18	18	20	24	10	12
3	36,37	14	11,15	13	28	24	10	13	13
	15	12	12	18	28	16	17	11	23
	39	12	11	18	18	20	24	10	12

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). Items 1 and 4 were created using blood from the same female donor. Items 2 and 3 were created using blood from the same male donor. Refer to the Manufacturer's Information for preparation details.

Data were returned by 109 participants.

DNA Analysis

For STR results, all but one participant reported consistent results.

For YSTR results, all participants reported consistent results.

DNA Interpretations

Of the 109 participants that returned DNA results, 92 reported DNA interpretations for one or both questioned stains. Of the remaining participants, sixteen stated the samples were analyzed for database purposes only and one selected the "No Interpretation" option for each conclusion.

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

For Item 4, all participants included the victim (Item 1) and excluded 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

26Q6H9	PowerPlex® Fusion 6C					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18	NR	NR	NR		
27MKU6	GlobalFiler™					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18	--			--	
2ERRA6	GlobalFiler™ (STRmix)					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					
34A8P9	GlobalFiler™					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					
3FHDF2	GlobalFiler™					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18					
3QLBK4	GlobalFiler™					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					

TABLE 1

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

Item 1 - STR Results

3QPTMA	PowerPlex® Fusion 6C					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18	NR	NR	NR		
3WQ6H7	GlobalFiler™ (STRmix)					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					
4VEPN6	GlobalFiler™ (STRmix)					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					
4VERDA	PowerPlex® Fusion 6C					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18	NR	NR	NR		
4Z6YY4	GlobalFiler™ (STRMIX)					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					
6BZRKY	GlobalFiler™					
1	14,15	20,23	14,14	15,16	13,13	--
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	--	--	17,19	9,9.3	8,11
	15,18	--	--	--	--	
6MC274	PowerPlex® Fusion 5C					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22	13	5,14		9,9.3	8,11
	15,18					

TABLE 1

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

Item 1 - STR Results

6RAJM6	PowerPlex® Fusion 6C					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18	NR	NR	NR		
6T6YY2	GlobalFiler™					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18	--			--	
6XF7KZ	FlexPlex27					
1	14,15	20,23	14,14	15,16	13,13	11,12
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22		5,14	17,19	9,9.3	8,11
	15,18					
6XULPZ	GlobalFiler™ Express					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18	NR			NR	
6YP6R2	GlobalFiler™ Express					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10
	22			17,19	9,9.3	8,11
	15,18	NM			NM	
7BG9D8	PowerPlex® Fusion 6C					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18	NR	NR	NR		
7BY8FW	FlexPlex 27					
1	14,15	20,23		15,16		11,12
	8,12		13,15	20,22		
	12,17	12,14	29,33.2	15,16		10,10
				17,19	9,9.3	8,11
	15,18					

TABLE 1

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

Item 1 - STR Results

7EGLU6	GlobalFiler™					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					
7PX7D2	GlobalFiler™					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18	NR			NR	
7QA6BV	NGM SElect					
1	14,15	20,23	14,14	15,16		
		12,14	13,15	20,22		10,12
	12,17	12,14	29,33.2	15,16	X,X	
	22,22			17,19	9,9.3	
	15,18					
7QULQY	GlobalFiler™					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18					
7YK8WW	GlobalFiler™					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18					
7ZFPXX	GlobalFiler™					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18					
8PWJP2	PowerPlex® Fusion 6C (STRmix)					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22	13	5,14	17,19	9,9.3	8,11
	15,18					

TABLE 1

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

Item 1 - STR Results

8QNQKX	PowerPlex® Fusion					
	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22	13	5,14		9,9.3	8,11
	15,18	NR				
8UPPYW	GlobalFiler™					
	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18	--			--	
9GDPYW	PowerPlex® Fusion 5C					
	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22	13	5,14		9,9.3	8,11
	15,18	NR				
9GG722	PowerPlex® Fusion 6C					
	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18	NR	NR	NR		
9YC3B4	FlexPlex27					
	14,15	20,23		15,16		11,12
			13,15			10,12
	12,17					
						8,11
	15,18					
A3UJ7U	GlobalFiler™					
	14,15	20,23	14,14	15,16	13,13	--
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	--	--	17,19	9,9.3	8,11
	15,18	--	--	--	--	
ADRJJY	GlobalFiler™ (STRmix)					
	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					

TABLE 1

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

Item 1 - STR Results

AL86NV	PowerPlex® Fusion					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22	13	5,14		9,9.3	8,11
	15,18	N/R				
AXZMG4	PowerPlex® Fusion 6C					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18	NR	NR	NR		
B46V8W	GlobalFiler™ Express					
1	14,15	20,23	14	15,16	13	NT
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22	NT	NT	17,19	9,9.3	8,11
	15,18	NR	NT	NT	NR	
B9CA7U	PowerPlex® Fusion					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10
	22	13	5,14		9,9.3	8,11
	15,18	NA				
BGRVBR	GlobalFiler™					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					
BH784V	GlobalFiler™					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18					
C8484W	PowerPlex® 21 (STRmix 2.8.0)					
1	14,15	20,23		15,16	13,13	11,12
	8,12	12,14		20,22	12,12	10,12
	12,17	12,14	29,33.2		X,X	10,10
	22,22	13,13	5,14		9,9.3	8,11
	15,18					

TABLE 1

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

Item 1 - STR Results

CA784T	FlexPlex 27					
	14,15	20,23	14,14	15,16	13,13	11,12
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22		5,14	17,19	9,9.3	8,11
	15,18					
CGKZ9X	PowerPlex® Fusion 6C					
	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18	NR	NR	NR		
CHGGKU	GlobalFiler™					
	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18	--			--	
CWY96V	GlobalFiler™ Express					
	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10
	22			17,19	9,9.3	8,11
	15,18	NM			NM	
D3Z8TP	GlobalFiler™ Express					
	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10
	22			17,19	9,9.3	8,11
	15,18	NM			NM	
DDK3JQ	GlobalFiler™					
	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18					
DM4TTV	PowerPlex® Fusion 6C					
	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18					

TABLE 1

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

Item 1 - STR Results

E2JB2P	RapidINTEL Plus				
1	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X
	22,22			17,19	9,9.3
	15,18				8,11
EDYBLQ	I-chip/FlexPlex 27				
1	14,15	20,23	14,14	15,16	13,13
	8,12	12,14		20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X
	22,22		5,14	17,19	9,9.3
	15,18				8,11
EZMUNT	GlobalFiler™				
1	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22			17,19	9,9.3
	15,18				8,11
FT4QGQ	PowerPlex® Fusion				
1	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22	13	5,14		9,9.3
	15,18	NR			8,11
FTMUPQ	GlobalFiler™ Express				
1	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22			17,19	9,9.3
	15,18	NR			8,11
FYXYPQ	PowerPlex® Fusion 6C				
1	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22	13	5,14	17,19	9,9.3
	15,18				8,11
GPHLXL	GlobalFiler™ Express				
1	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X,X
	22			17,19	9,9.3
	15,18	NM			8,11

TABLE 1

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

Item 1 - STR Results

GUXUQR	GlobalFiler™					
	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					
GZ4MKM	GlobalFiler™					
	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18					
HQ989N	GlobalFiler™ (STRmix)					
	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					
JQ8M6L	FlexPlex 27					
JU7YZL	FlexPlex 27					
	14,15	20,23		15,16		11,12
	8,12		13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2			10,10
			5,14	17,19		8,11
	15,18					
KJK4DQ	GlobalFiler™					
	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18	No Results			No Results	
LWRA4J	GlobalFiler™					
	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					

TABLE 1

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

Item 1 - STR Results

M3MXUL	PowerPlex® Fusion 6C					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18					
MA67HJ	PowerPlex® Fusion					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22	13	5,14		9,9.3	8,11
	15,18	NR				
MWXB3M	GlobalFiler™					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18	No Result			No Result	
NAMAUP	PowerPlex® Fusion 6C					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18	NR	NR	NR		
NCY3VJ	GlobalFiler™					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18					
NFU3KE	GlobalFiler™ Express					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10
	22			17,19	9,9.3	8,11
	15,18	NM			NM	
NK48KE	GlobalFiler™					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18					

TABLE 1

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

Item 1 - STR Results

NLYQMG	FlexPlex 27					
	14,15	20,23	14,14	15,16	13,13	11,12
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22		5,14	17,19	9,9.3	8,11
15,18						
P2RRTL	PowerPlex® Fusion 6C					
	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
15,18 NR NR NR						
P3YAQH	GlobalFiler™					
	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
15,18						
P8DXBE	FlexPlex 27					
	14,15	20,23				11,12
	8,12			20,22		10,12
	12,17		29,33.2			
			5,14			8,11
15,18						
PQA46E	GlobalFiler™					
	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
15,18						
PWWXVK	PowerPlex® Fusion 6C					
	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
15,18 NR NR NR						
Q8AKJC	GlobalFiler™					
	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
15,18						

TABLE 1

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

Item 1 - STR Results

QJ27ML		PowerPlex® Fusion 6C				
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18	NR	NR	NR		
QTP4AK		GlobalFiler™				
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18	NR			NR	
QVWL9G		GlobalFiler™				
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					
R2GYQF		GlobalFiler™				
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					
R4MBTB		GlobalFiler™				
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18					
RBQ42L		PowerPlex® Fusion 6C				
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18	NR	NR	NR		
RGUADH		GlobalFiler™				
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					

TABLE 1

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

Item 1 - STR Results

RKUL9H	GlobalFiler™					
		14,15	20,23	14	15,16	13
	1	8,12	12,14	13,15	20,22	12
		12,17	12,14	29,33.2	15,16	X
		22		17,19	9,9.3	8,11
		15,18				
RYGGYF	PowerPlex® Fusion 6C					
		14,15	20,23	14	15,16	13
	1	8,12	12,14	13,15	20,22	12
		12,17	12,14	29,33.2	15,16	X
		22	13	5,14	17,19	9,9.3
		15,18				8,11
T38KWC	PowerPlex® 5C					
		14,15	20,23	14,14	15,16	13,13
	1	8,12	12,14	13,15	20,22	12,12
		12,17	12,14	29,33.2	15,16	X,X
		22,22	13,13	5,14		9,9.3
		15,18	NA			8,11
T7QC9E	GlobalFiler™ (STRmix)					
		14,15	20,23	14	15,16	13
	1	8,12	12,14	13,15	20,22	12
		12,17	12,14	29,33.2	15,16	X
		22		17,19	9,9.3	8,11
		15,18				
T9GQJB	GlobalFiler™					
		14,15	20,23	14,14	15,16	13,13
	1	8,12	12,14	13,15	20,22	12,12
		12,17	12,14	29,33.2	15,16	X,X
		22,22		17,19	9,9.3	8,11
		15,18				
TQBGPC	GlobalFiler™ Express					
		14,15	20,23	14	15,16	13
	1	8,12	12,14	13,15	20,22	12
		12,17	12,14	29,33.2	15,16	X
		22		17,19	9,9.3	8,11
		15,18	NR		NR	
TTKJEG	GlobalFiler™					
		14,15	20,23	14	15,16	13
	1	8,12	12,14	13,15	20,22	12
		12,17	12,14	29,33.2	15,16	X
		22		17,19	9,9.3	8,11
		15,18	No results		No results	

TABLE 1

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

Item 1 - STR Results

UJBGPA	PowerPlex® Fusion 5C					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22	13	5,14		9,9.3	8,11
	15,18					
UNP6DD	PowerPlex® Fusion 6C					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22	13	5,14	17,19	9,9.3	8,11
	15,18					
URPZDF	PowerPlex® Fusion 6C					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	XX	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18	NR	NR	NR		
UTWHCB	GlobalFiler™					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					
UXVWWF	PowerPlex® Fusion 6C					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	XX	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18	NR	NR	NR		
V2LP3F	GlobalFiler™					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					
WCMDVC	PowerPlex® Fusion 6C					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	XX	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18					

TABLE 1

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

Item 1 - STR Results

WJYPRA	PowerPlex® 35GY					
	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10
	22	13	5,14	17,19	9,9.3	8,11
	15,18					
WNUJPB	GlobalFiler™ (STRmix)					
	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					
X7DCDF	PowerPlex® Fusion 6C					
	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18	NR	NR	NR		
X8MNRB	GlobalFiler™					
	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18	NR			NR	
XGXQCB	GlobalFiler™					
	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18	NR			NR	
XMYZMA	GlobalFiler™					
	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					
XNTYL9	PowerPlex® Fusion 6C					
	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22	13	5,14	17,19	9,9.3	8,11
	15,18					

TABLE 1

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

Item 1 - STR Results

XQZ2N8	GlobalFiler™ (STRmix v 2.7)					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					
Z8WD68	GlobalFiler™					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					
ZPJQM6	GlobalFiler™					
1	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					
ZYGQW3	GlobalFiler™					
1	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18					

TABLE 1

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

Item 2 - STR Results

26Q6H9	PowerPlex® Fusion 6C					
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		
27MKU6	GlobalFiler™					
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10			2	
2ERRA6	GlobalFiler™ (STRmix)					
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
34A8P9	GlobalFiler™					
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
3FHDF2	GlobalFiler™					
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10			2	
3QLBK4	GlobalFiler™					
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
3QPTMA	PowerPlex® Fusion 6C					
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		

TABLE 1

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

Item 2 - STR Results

3WQ6H7	GlobalFiler™ (STRmix)					
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
4VEPN6	GlobalFiler™ (STRmix)					
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
4VERDA	PowerPlex® Fusion 6C					
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		
4Z6YY4	GlobalFiler™ (STRMIX)					
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
6BZRKY	GlobalFiler™					
2	14,16	17,17	10,14	15,16	11,13	--
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	--	--	19,29.2	7,9.3	8,11
	17,17	10	--	--	2	
6MC274	PowerPlex® Fusion 5C					
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16		7,9.3	8,11
	17	10				
6RAJM6	PowerPlex® Fusion 6C					
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		

TABLE 1

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

Item 2 - STR Results

6T6YY2	GlobalFiler™					
		14,16	17,17	10,14	15,16	11,13
2		9,11	11,12	13,13	17,18	9,12
		13,14	13,14	30,34.2	15,15	X,Y
		22,22		19,29.2	7,9.3	8,11
		17,17	10		2	
6XF7KZ	FlexPlex27					
		14,16	17,17	10,14	15,16	11,13
2		9,11	11,12	13,13	17,18	9,12
		13,14	13,14	30,34.2	15,15	X,Y
		22,22		7,16	7,9.3	8,11
		17,17	10	18	18	
6XULPZ	GlobalFiler™ Express					
		14,16	17	10,14	15,16	11,13
2		9,11	11,12	13	17,18	9,12
		13,14	13,14	30,34.2	15	X,Y
		22		19,29.2	7,9.3	8,11
		17	10		2	
6YP6R2	GlobalFiler™ Express					
		14,16	17	10,14	15,16	11,13
2		9,11	11,12	13	17,18	9,12
		13,14	13,14	30,34.2	15	X,Y
		22		19,29.2	7,9.3	8,11
		17	10		2	
7BG9D8	PowerPlex® Fusion 6C					
		14,16	17,17	10,14	15,16	11,13
2		9,11	11,12	13,13	17,18	9,12
		13,14	13,14	30,34.2	15,15	X,Y
		22,22	9,9	7,16	19,29.2	7,9.3
		17,17	10	18	18	8,11
7BY8FW	FlexPlex 27					
		14,16	17,17	10,14	15,16	11,13
2		9,11				9,12
		13,14		30,34.2		X,Y
				19,29.2	7,9.3	8,11
		10	18	18		
7EGLU6	GlobalFiler™					
		14,16	17	10,14	15,16	11,13
2		9,11	11,12	13	17,18	9,12
		13,14	13,14	30,34.2	15	X,Y
		22		19,29.2	7,9.3	8,11
		17	10		2	

TABLE 1

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

Item 2 - STR Results

7PX7D2	GlobalFiler™					
		14,16	17,17	10,14	15,16	11,13
2		9,11	11,12	13,13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15,15	X,Y 10,11
		22,22		19,29.2	7,9.3	8,11
		17,17	10		2	
7QA6BV	NGM SElect					
		14,16	17,17	10,14	15,16	
2			11,12	13,13	17,18	10,12
		13,14	13,14	30,34.2	15,15	X,Y
		22,22		19,29.2	7,9.3	
		17,17				
7QULQY	GlobalFiler™					
		14,16	17,17	10,14	15,16	11,13
2		9,11	11,12	13,13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15,15	X,Y 10,11
		22,22		19,29.2	7,9.3	8,11
		17,17	10		2	
7YK8WW	GlobalFiler™					
		14,16	17,17	10,14	15,16	11,13
2		9,11	11,12	13,13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15,15	X,Y 10,11
		22,22		19,29.2	7,9.3	8,11
		17,17	10		2	
7ZFPXX	GlobalFiler™					
		14,16	17,17	10,14	15,16	11,13
2		9,11	11,12	13,13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15,15	X,Y 10,11
		22,22		19,29.2	7,9.3	8,11
		17,17	10		2	
8PWJP2	PowerPlex® Fusion 6C (STRmix)					
		14,16	17	10,14	15,16	11,13
2		9,11	11,12	13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15	X,Y 10,11
		22	9	7,16	19,29.2	7,9.3 8,11
		17	10	18	18	
8QNQKX	PowerPlex® Fusion					
		14,16	17	10,14	15,16	11,13
2		9,11	11,12	13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15	X,Y 10,11
		22	9	7,16		7,9.3 8,11
		17	10			

TABLE 1

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

Item 2 - STR Results

8UPPYW	GlobalFiler™					
		14,16	17,17	10,14	15,16	11,13
2		9,11	11,12	13,13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15,15	X,Y 10,11
		22,22		19,29.2	7,9.3	8,11
		17,17	10		2	
9GDPYW	PowerPlex® Fusion 5C					
		14,16	17	10,14	15,16	11,13
2		9,11	11,12	13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15	X,Y 10,11
		22	9	7,16	7,9.3	8,11
		17	10			
9GG722	PowerPlex® Fusion 6C					
		14,16	17,17	10,14	15,16	11,13
2		9,11	11,12	13,13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15,15	X,Y 10,11
		22,22	9,9	7,16	19,29.2	7,9.3 8,11
		17,17	10	18	18	
9YC3B4	FlexPlex27					
2						
A3UJ7U	GlobalFiler™					
		14,16	17,17	10,14	15,16	11,13 --
2		9,11	11,12	13,13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15,15	X,Y 10,11
		22,22	--	--	19,29.2	7,9.3 8,11
		17,17	10	--	--	2
ADRJJY	GlobalFiler™ (STRmix)					
		14,16	17	10,14	15,16	11,13
2		9,11	11,12	13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15	X,Y 10,11
		22		19,29.2	7,9.3	8,11
		17	10		2	
AL86NV	PowerPlex® Fusion					
		14,16	17	10,14	15,16	11,13
2		9,11	11,12	13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15	X,Y 10,11
		22	9	7,16	7,9.3	8,11
		17	10			

TABLE 1

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

Item 2 - STR Results

AXZMG4	PowerPlex® Fusion 6C					
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		
B46V8W	GlobalFiler™ Express					
2	14,16	17	10,14	15,16	11,13	NT
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	NT	NT	19,29.2	7,9.3	8,11
	17	10	NT	NT	2	
B9CA7U	PowerPlex® Fusion					
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16		7,9.3	8,11
	17	10				
BGRVBR	GlobalFiler™					
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
BH784V	GlobalFiler™					
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10,0			2,0	
C8484W	PowerPlex® 21 (STRmix 2.8.0)					
2	14,16	17,17		15,16	11,13	11,19
	9,11	11,12		17,18	9,12	10,12
	13,14	13,14	30,34.2		X,Y	10,11
	22,22	9,9	7,16		7,9.3	8,11
	17,17					
CA784T	FlexPlex 27					
2	14,16	17,17	10,14	15,16	11,13	11,19
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10	18	18		

TABLE 1

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

Item 2 - STR Results

CGKZ9X	PowerPlex® Fusion 6C					
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		
CHGGKU	GlobalFiler™					
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10			2	
CWY96V	GlobalFiler™ Express					
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
D3Z8TP	GlobalFiler™ Express					
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
DDK3JQ	GlobalFiler™					
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10			2	
DM4TTV	PowerPlex® Fusion 6C					
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		
E2JB2P	RapidINTEL Plus					
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10			2	

TABLE 1

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

Item 2 - STR Results

EDYBLQ I-chip/FlexPlex 27

2

EZMUNT GlobalFiler™

	14,16	17	10,14	15,16	11,13	
2	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	

FT4QGQ PowerPlex® Fusion

	14,16	17	10,14	15,16	11,13	
2	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16		7,9.3	8,11
	17	10				

FTMUPQ GlobalFiler™ Express

	14,16	17	10,14	15,16	11,13	
2	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	

FYXYPQ PowerPlex® Fusion 6C

	14,16	17	10,14	15,16	11,13	
2	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16	19,29.2	7,9.3	8,11
	17	10	18	18		

GPHLXL GlobalFiler™ Express

	14,16	17	10,14	15,16	11,13	
2	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	

GUXUQR GlobalFiler™

	14,16	17	10,14	15,16	11,13	
2	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	

TABLE 1

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

Item 2 - STR Results

GZ4MKM	GlobalFiler™					
		14,16	17,17	10,14	15,16	11,13
	2	9,11	11,12	13,13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15,15	X,Y 10,11
		22,22		19,29.2	7,9.3	8,11
		17,17	10		2	
HQ989N	GlobalFiler™ (STRmix)					
		14,16	17	10,14	15,16	11,13
	2	9,11	11,12	13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15	X,Y 10,11
		22		19,29.2	7,9.3	8,11
		17	10		2	
JQ8M6L	FlexPlex 27					
		14,16	17,17		11,13	11,19
	2	9,11	11,12		17,18	9,12 10,12
		13,14	13,14	30,34.2		X,Y 10,11
				19,29.2		8,11
		10	18	18		
JU7YZL	FlexPlex 27					
	2					
KJK4DQ	GlobalFiler™					
		14,16	17	10,14	15,16	11,13
	2	9,11	11,12	13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15	X,Y 10,11
		22		19,29.2	7,9.3	8,11
		17	10		2	
LWRA4J	GlobalFiler™					
		14,16	17	10,14	15,16	11,13
	2	9,11	11,12	13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15	X,Y 10,11
		22		19,29.2	7,9.3	8,11
		17	10		2	
M3MXUL	PowerPlex® Fusion 6C					
		14,16	17,17	10,14	15,16	11,13
	2	9,11	11,12	13,13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15,15	X,Y 10,11
		22,22	9,9	7,16	19,29.2	7,9.3 8,11
		17,17	10	18	18	

TABLE 1

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

Item 2 - STR Results

MA67HJ	PowerPlex® Fusion					
	14,16	17	10,14	15,16	11,13	
	2	9,11	11,12	13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15	X,Y 10,11
		22	9	7,16	7,9.3	8,11
	17	10				
MWXB3M	GlobalFiler™					
	14,16	17	10,14	15,16	11,13	
	2	9,11	11,12	13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15	X,Y 10,11
		22		19,29.2	7,9.3	8,11
	17	10			2	
NAMAUP	PowerPlex® Fusion 6C					
	14,16	17,17	10,14	15,16	11,13	
	2	9,11	11,12	13,13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15,15	X,Y 10,11
		22,22	9,9	7,16	19,29.2	7,9.3 8,11
	17,17	10	18	18		
NCY3VJ	GlobalFiler™					
	14,16	17,17	10,14	15,16	11,13	
	2	9,11	11,12	13,13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15,15	X,Y 10,11
		22,22		19,29.2	7,9.3	8,11
	17,17	10			2	
NFU3KE	GlobalFiler™ Express					
	14,16	17	10,14	15,16	11,13	
	2	9,11	11,12	13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15	X,Y 10,11
		22		19,29.2	7,9.3	8,11
	17	10			2	
NK48KE	GlobalFiler™					
	14,16	17,17	10,14	15,16	11,13	
	2	9,11	11,12	13,13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15,15	X,Y 10,11
		22,22		19,29.2	7,9.3	8,11
	17,17	10			2	
NLYQMG	FlexPlex 27					
	14,16	17,17	10,14	15,16	11,13	11,19
	2	9,11	11,12	13,13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15,15	X,Y 10,11
		22,22			7,9.3	8,11
	17,17	10	18	18		

TABLE 1

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

Item 2 - STR Results

P2RRTL	PowerPlex® Fusion 6C					
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		
P3YAQH	GlobalFiler™					
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
P8DXBE	FlexPlex 27					
2	14,16	17,17	10,14	15,16	11,13	11,19
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22		7,16	19,29.2		8,11
	17,17	10	18	18		
PQA46E	GlobalFiler™					
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10			2	
PWWXVK	PowerPlex® Fusion 6C					
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		
Q8AKJC	GlobalFiler™					
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
QJ27ML	PowerPlex® Fusion 6C					
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		

TABLE 1

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

Item 2 - STR Results

QTP4AK	GlobalFiler™					
		14,16	17,17	10,14	15,16	11,13
	2	9,11	11,12	13,13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15,15	X,Y 10,11
		22,22		19,29.2	7,9.3	8,11
		17,17	10		2	
QVWL9G	GlobalFiler™					
		14,16	17	10,14	15,16	11,13
	2	9,11	11,12	13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15	X,Y 10,11
		22		19,29.2	7,9.3	8,11
		17	10		2	
R2GYQF	GlobalFiler™					
		14,16	17	10,14	15,16	11,13
	2	9,11	11,12	13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15	X,Y 10,11
		22		19,29.2	7,9.3	8,11
		17	10		2	
R4MBTB	GlobalFiler™					
		14,16	17,17	10,14	15,16	11,13
	2	9,11	11,12	13,13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15,15	X,Y 10,11
		22,22		19,29.2	7,9.3	8,11
		17,17	10		2	
RBQ42L	PowerPlex® Fusion 6C					
		14,16	17,17	10,14	15,16	11,13
	2	9,11	11,12	13,13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15,15	X,Y 10,11
		22,22	9,9	7,16	19,29.2	7,9.3 8,11
		17,17	10	18	18	
RGUADH	GlobalFiler™					
		14,16	17	10,14	15,16	11,13
	2	9,11	11,12	13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15	X,Y 10,11
		22		19,29.2	7,9.3	8,11
		17	10		2	
RKUL9H	GlobalFiler™					
		14,16	17	10,14	15,16	11,13
	2	9,11	11,12	13	17,18	9,12 10,12
		13,14	13,14	30,34.2	15	X,Y 10,11
		22		19,29.2	7,9.3	8,11
		17	10		2	

TABLE 1

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

Item 2 - STR Results

RYGGYF	PowerPlex® Fusion 6C					
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16	19,29.2	7,9.3	8,11
	17	10	18	18		
T38KWC	PowerPlex® 5C					
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16		7,9.3	8,11
	17,17	10				
T7QC9E	GlobalFiler™ (STRmix)					
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
T9GQJB	GlobalFiler™					
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10			2	
TQBGPC	GlobalFiler™ Express					
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
TTKJEG	GlobalFiler™					
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
UJBGPA	PowerPlex® Fusion 5C					
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16		7,9.3	8,11
	17	10				

TABLE 1

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

Item 2 - STR Results

UNP6DD		PowerPlex® Fusion 6C				
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16	19,29.2	7,9.3	8,11
	17	10	18	18		
URPZDF		PowerPlex® Fusion 6C				
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		
UTWHCB		GlobalFiler™				
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
UXVWWF		PowerPlex® Fusion 6C				
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		
V2LP3F		GlobalFiler™				
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
WCMDVC		PowerPlex® Fusion 6C				
2	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		
WJYPRA		PowerPlex® 35GY				
2	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16	19,29.2	7,9.3	8,11
	17	10				

TABLE 1

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

Item 2 - STR Results

WNUJPB	GlobalFiler™ (STRmix)				
2	14,16	17	10,14	15,16	11,13
	9,11	11,12	13	17,18	9,12
	13,14	13,14	30,34.2	15	X,Y
	22			19,29.2	7,9.3
	17	10			2
X7DCDF	PowerPlex® Fusion 6C				
2	14,16	17,17	10,14	15,16	11,13
	9,11	11,12	13,13	17,18	9,12
	13,14	13,14	30,34.2	15,15	X,Y
	22,22	9,9	7,16	19,29.2	7,9.3
	17,17	10	18	18	
X8MNRB	GlobalFiler™				
2	14,16	17,17	10,14	15,16	11,13
	9,11	11,12	13,13	17,18	9,12
	13,14	13,14	30,34.2	15,15	[X],Y
	22,22			19,29.2	7,9.3
	17,17	10			2
XGXQCB	GlobalFiler™				
2	14,16	17,17	10,14	15,16	11,13
	9,11	11,12	13,13	17,18	9,12
	13,14	13,14	30,34.2	15,15	X,Y
	22,22			19,29.2	7,9.3
	17,17	10			2
XMYZMA	GlobalFiler™				
2	14,16	17	10,14	15,16	11,13
	9,11	11,12	13	17,18	9,12
	13,14	13,14	30,34.2	15	X,Y
	22			19,29.2	7,9.3
	17	10			2
XNTYL9	PowerPlex® Fusion 6C				
2	14,16	17	10,14	15,16	11,13
	9,11	11,12	13	17,18	9,12
	13,14	13,14	30,34.2	15	X,Y
	22	9	7,16	19,29.2	7,9.3
	17	10	18	18	
XQZ2N8	GlobalFiler™ (STRmix v 2.7)				
2	14,16	17	10,14	15,16	11,13
	9,11	11,12	13	17,18	9,12
	13,14	13,14	30,34.2	15	X,Y
	22			19,29.2	7,9.3
	17	10			2

TABLE 1

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

Item 2 - STR Results

Z8WD68	GlobalFiler™					
	14,16	17	10,14	15,16	11,13	
2	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
ZPJQM6	GlobalFiler™					
	14,16	17	10,14	15,16	11,13	
2	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
ZYGQW3	GlobalFiler™					
	14,16	17,17	10,14	15,16	11,13	
2	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10			2	

TABLE 1

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

Item 3 - STR Results

26Q6H9	PowerPlex® Fusion 6C (STRmix V2.5)					
3	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		
27MKU6	GlobalFiler™					
3	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10			2	
2ERRA6	GlobalFiler™ (STRmix)					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
34A8P9	GlobalFiler™ (STRMIX)					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
3FHDF2	GlobalFiler™					
3	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10			2	
3QLBK4	GlobalFiler™					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
3QPTMA	PowerPlex® Fusion 6C					
3	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		

TABLE 1

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

Item 3 - STR Results

3WQ6H7	GlobalFiler™ (STRmix)					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
4VEPN6	GlobalFiler™ (STRmix)					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
4Z6YY4	GlobalFiler™ (STRMIX)					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
6BZRKY	GlobalFiler™					
3	14,16	17,17	10,14	15,16	11,13	--
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	--	--	19,29.2	7,9.3	8,11
	17,17	10	--	--	2	
6MC274	PowerPlex® Fusion 5C					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16		7,9.3	8,11
	17	10				
6RAJM6	PowerPlex® Fusion 6C (STRmix)					
3	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		
6T6YY2	GlobalFiler™					
3	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	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

6XF7KZ	FlexPlex27					
	14,16	17,17	10,14	15,16	11,13	11,19
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22		7,16		7,9.3	8,11
	17,17	10	18	18		
6XULPZ	PowerPlex® Fusion					
	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16		7,9.3	8,11
	17	10				
6YP6R2	GlobalFiler™					
	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
7BY8FW	FlexPlex 27					
	14,16	17,17	10,14	15,16	11,13	11,19
	9,11	11,12	13,13		9,12	10,12
	13,14	13,14	30,34.2		X,Y	10,11
			7,16		7,9.3	8,11
	17,17	10	18	18		
7EGLU6	GlobalFiler™					
	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
7PX7D2	GlobalFiler™					
	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10			2	
7QA6BV	NGM SElect					
	14,16	17,17	10,14	15,16		
		11,12	13,13	17,18		10,12
	13,14	13,14	30,34.2	15,15	X,Y	
	22,22			19,29.2	7,9.3	
	17,17					

TABLE 1

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

Item 3 - STR Results

7QULQY	GlobalFiler™					
3	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10			2	
7YK8WW	GlobalFiler™					
3	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10			2	
7ZFPXX	GlobalFiler™ (STRmix)					
3	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10			2	
8PWJP2	PowerPlex® Fusion 6C (STRmix)					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16	19,29.2	7,9.3	8,11
	17	10	18	18		
8QNQKX	PowerPlex® Fusion					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16		7,9.3	8,11
	17	10				
8UPPYW	GlobalFiler™					
3	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10			2	
9GDPYW	PowerPlex® Fusion 5C					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16		7,9.3	8,11
	17	10				

TABLE 1

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

Item 3 - STR Results

9GG722	PowerPlex® Fusion 6C (STRmix V2.5.11)					
3	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		
9YC3B4	FlexPlex27					
3	14,16	17,17		15,16	11,13	11,19
	9,11			17,18	9,12	10,12
	13,14	13,14			X,Y	10,11
			7,16			8,11
		10	18	18		
A3UJ7U	GlobalFiler™					
3	14,16	17,17	10,14	15,16	11,13	--
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	--	--	19,29.2	7,9.3	8,11
	17,17	10	--	--	2	
ADRJJY	GlobalFiler™ (STRmix)					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
AL86NV	PowerPlex® Fusion					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16		7,9.3	8,11
	17	10				
B46V8W	GlobalFiler™					
3	14,16	17	10,14	15,16	11,13	NT
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	NT	NT	19,29.2	7,9.3	8,11
	17	10	NT	NT	2	
B9CA7U	PowerPlex® Fusion					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16		7,9.3	8,11
	17	10				

TABLE 1

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

Item 3 - STR Results

BGRVBR	GlobalFiler™ (STRmix)				
3	14,16	17	10,14	15,16	11,13
	9,11	11,12	13	17,18	9,12
	13,14	13,14	30,34.2	15	X,Y
	22			19,29.2	7,9.3
	17	10			2
BH784V	GlobalFiler™				
3	14,16	17,17	10,14	15,16	11,13
	9,11	11,12	13,13	17,18	9,12
	13,14	13,14	30,34.2	15,15	X,Y
	22,22			19,29.2	7,9.3
	17,17	10,0			2,0
C8484W	PowerPlex® 21 (STRmix 2.8.0)				
3	14,16	17,17		15,16	11,13
	9,11	11,12		17,18	9,12
	13,14	13,14	30,34.2		X,Y
	22,22	9,9	7,16		7,9.3
	17,17				
CA784T	FlexPlex 27				
3	14,16	17,17	10,14	15,16	11,13
	9,11	11,12	13,13	17,18	9,12
	13,14	13,14	30,34.2		X,Y
					7,9.3
	17,17	10	18	18	
CGKZ9X	PowerPlex® Fusion 6C (STRmix V.2.5.11)				
3	14,16	17,17	10,14	15,16	11,13
	9,11	11,12	13,13	17,18	9,12
	13,14	13,14	30,34.2	15,15	X,Y
	22,22	9,9	7,16	19,29.2	7,9.3
	17,17	10	18	18	
CHGGKU	GlobalFiler™				
3	14,16	17,17	10,14	15,16	11,13
	9,11	11,12	13,13	17,18	9,12
	13,14	13,14	30,34.2	15,15	X,Y
	22,22			19,29.2	7,9.3
	17,17	10			2
CWY96V	GlobalFiler™				
3	14,16	17	10,14	15,16	11,13
	9,11	11,12	13	17,18	9,12
	13,14	13,14	30,34.2	15	X,Y
	22			19,29.2	7,9.3
	17	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

D3Z8TP	GlobalFiler™					
		14,16	17	10,14	15,16	11,13
3		9,11	11,12	13	17,18	9,12
		13,14	13,14	30,34.2	15	X,Y
		22		19,29.2	7,9.3	8,11
		17	10			2
DDK3JQ	GlobalFiler™					
		14,16	17,17	10,14	15,16	11,13
3		9,11	11,12	13,13	17,18	9,12
		13,14	13,14	30,34.2	15,15	X,Y
		22,22		19,29.2	7,9.3	8,11
		17,17	10			2
DM4TTV	PowerPlex® Fusion 6C (STRmix)					
		14,16	17,17	10,14	15,16	11,13
3		9,11	11,12	13,13	17,18	9,12
		13,14	13,14	30,34.2	15,15	X,Y
		22,22	9,9	7,16	19,29.2	7,9.3
		17,17	10	18	18	8,11
E2JB2P	RapidINTEL Plus					
		14,16	17,17	10,14	15,16	11,13
3		9,11	11,12	13,13	17,18	9,12
		13,14	13,14	30,34.2	15,15	X,Y
		22,22		19,29.2	7,9.3	8,11
		17,17	10			2
EDYBLQ	I-chip/FlexPlex 27					
		14,16	17,17	10,14	15,16	11,13
3		9,11	11,12	13,13	17,18	9,12
		13,14	13,14	30,34.2	15,15	X,Y
		22,22		7,16	19,29.2	7,9.3
		17,17	10	18	18	8,11
EZMUNT	GlobalFiler™					
		14,16	17	10,14	15,16	11,13
3		9,11	11,12	13	17,18	9,12
		13,14	13,14	30,34.2	15	X,Y
		22		19,29.2	7,9.3	8,11
		17	10			2
FT4QGQ	PowerPlex® Fusion					
		14,16	17	10,14	15,16	11,13
3		9,11	11,12	13	17,18	9,12
		13,14	13,14	30,34.2	15	X,Y
		22	9	7,16	7,9.3	8,11
		17	10			

TABLE 1

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

Item 3 - STR Results

FTMUPQ	PowerPlex® Fusion					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16		7,9.3	8,11
	17	10				
FYXYPQ	PowerPlex® Fusion 6C (STRmix)					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16	19,29.2	7,9.3	8,11
	17	10	18	18		
GPHLXL	GlobalFiler™					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
GUXUQR	GlobalFiler™					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
GZ4MKM	GlobalFiler™					
3	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10			2	
HQ989N	GlobalFiler™ (STRmix)					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
JQ8M6L	FlexPlex 27					
3						

TABLE 1

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

JU7YZL	FlexPlex 27					
	14,16	17,17	10,14	15,16	11,13	11,19
	3	9,11	11,12	13,13	17,18	9,12
	13,14	13,14	30,34.2		X,Y	10,11
				19,29.2		8,11
		10	18	18		
LWRA4J	GlobalFiler™ (STRmix)					
	14,16	17	10,14	15,16	11,13	
	3	9,11	11,12	13	17,18	9,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
M3MXUL	PowerPlex® Fusion 6C (STRmix)					
	14,16	17,17	10,14	15,16	11,13	
	3	9,11	11,12	13,13	17,18	9,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		
MA67HJ	PowerPlex® Fusion					
	14,16	17	10,14	15,16	11,13	
	3	9,11	11,12	13	17,18	9,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16		7,9.3	8,11
	17	10				
NCY3VJ	GlobalFiler™					
	14,16	17,17	10,14	15,16	11,13	
	3	9,11	11,12	13,13	17,18	9,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10			2	
NFU3KE	GlobalFiler™					
	14,16	17	10,14	15,16	11,13	
	3	9,11	11,12	13	17,18	9,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
NK48KE	GlobalFiler™					
	14,16	17,17	10,14	15,16	11,13	
	3	9,11	11,12	13,13	17,18	9,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	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

NLYQMG	FlexPlex 27					
	14,16		10,14	15,16	11,13	11,19
	9,11	11,12		17,18	9,12	10,12
	13,14	13,14	30,34.2		X,Y	10,11
			7,16	19,29.2	7,9.3	8,11
		10	18	18		
P2RRTL	PowerPlex® Fusion 6C					
	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		
P3YAQH	GlobalFiler™ (STRmix)					
	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
P8DXBE	FlexPlex 27					
	14,16			15,16	11,13	11,19
	9,11	11,12		17,18	9,12	10,12
	13,14	13,14	30,34.2		X,Y	10,11
			7,16		7,9.3	8,11
		10	18	18		
PQA46E	GlobalFiler™					
	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10			2	
Q8AKJC	GlobalFiler™					
	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
QTP4AK	GlobalFiler™					
	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	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

QVWL9G	GlobalFiler™					
		14,16	17	10,14	15,16	11,13
	3	9,11	11,12	13	17,18	9,12
		13,14	13,14	30,34.2	15	X,Y
		22		19,29.2	7,9.3	8,11
		17	10		2	
R2GYQF	GlobalFiler™ (STRmix)					
		14,16	17	10,14	15,16	11,13
	3	9,11	11,12	13	17,18	9,12
		13,14	13,14	30,34.2	15	X,Y
		22		19,29.2	7,9.3	8,11
		17	10		2	
R4MBTB	GlobalFiler™					
		14,16	17,17	10,14	15,16	11,13
	3	9,11	11,12	13,13	17,18	9,12
		13,14	13,14	30,34.2	15,15	X,Y
		22,22		19,29.2	7,9.3	8,11
		17,17	10		2	
RGUADH	GlobalFiler™					
		14,16	17	10,14	15,16	11,13
	3	9,11	11,12	13	17,18	9,12
		13,14	13,14	30,34.2	15	X,Y
		22		19,29.2	7,9.3	8,11
		17	10		2	
RKUL9H	GlobalFiler™					
		14,16	17	10,14	15,16	11,13
	3	9,11	11,12	13	17,18	9,12
		13,14	13,14	30,34.2	15	X,Y
		22		19,29.2	7,9.3	8,11
		17	10		2	
RYGGYF	PowerPlex® Fusion 6C (STRmix)					
		14,16	17	10,14	15,16	11,13
	3	9,11	11,12	13	17,18	9,12
		13,14	13,14	30,34.2	15	X,Y
		22	9	7,16	19,29.2	7,9.3
		17	10	18	18	8,11
T38KWC	PowerPlex® 5C					
		14,16	17,17	10,14	15,16	11,13
	3	9,11	11,12	13,13	17,18	9,12
		13,14	13,14	30,34.2	15,15	X,Y
		22,22	9,9	7,16	7,9.3	8,11
		17,17	10			

TABLE 1

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

Item 3 - STR Results

T7QC9E	GlobalFiler™ (STRmix)					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
T9GQJB	GlobalFiler™					
3	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22			19,29.2	7,9.3	8,11
	17,17	10			2	
TQBGPC	PowerPlex® Fusion					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16		7,9.3	8,11
	17	10				
TTKJEG	GlobalFiler™					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22			19,29.2	7,9.3	8,11
	17	10			2	
UJBGPA	PowerPlex® Fusion 5C					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16		7,9.3	8,11
	17	10				
UNP6DD	PowerPlex® Fusion 6C (STRmix)					
3	14,16	17	10,14	15,16	11,13	
	9,11	11,12	13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15	X,Y	10,11
	22	9	7,16	19,29.2	7,9.3	8,11
	17	10	18	18		
URPZDF	PowerPlex® Fusion 6C (STRmix V2.5)					
3	14,16	17,17	10,14	15,16	11,13	
	9,11	11,12	13,13	17,18	9,12	10,12
	13,14	13,14	30,34.2	15,15	X,Y	10,11
	22,22	9,9	7,16	19,29.2	7,9.3	8,11
	17,17	10	18	18		

TABLE 1

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

Item 3 - STR Results

UTWHCB	GlobalFiler™				
3	14,16	17	10,14	15,16	11,13
	9,11	11,12	13	17,18	9,12
	13,14	13,14	30,34.2	15	X,Y
	22			19,29.2	7,9.3
	17	10			2
UXVWWF	PowerPlex® Fusion 6C (STRmix)				
3	14,16	17,17	10,14	15,16	11,13
	9,11	11,12	13,13	17,18	9,12
	13,14	13,14	30,34.2	15,15	X,Y
	22,22	9,9	7,16	19,29.2	7,9.3
	17,17	10	18	18	
V2LP3F	GlobalFiler™ (STRmix, V2.11)				
3	14,16	17	10,14	15,16	11,13
	9,11	11,12	13	17,18	9,12
	13,14	13,14	30,34.2	15	X,Y
	22			19,29.2	7,9.3
	17	10			2
WCMDVC	PowerPlex® Fusion 6C (STRmix)				
3	14,16	17,17	10,14	15,16	11,13
	9,11	11,12	13,13	17,18	9,12
	13,14	13,14	30,34.2	15,15	X,Y
	22,22	9,9	7,16	19,29.2	7,9.3
	17,17	10	18	18	
WJYPRA	PowerPlex® 35GY (STRMix)				
3	14,16	17	10,14	15,16	11,13
	9,11	11,12	13	17,18	9,12
	13,14	13,14	30,34.2	15	X,Y
	22	9	7,16	19,29.2	7,9.3
	17	10			
WNUJPB	GlobalFiler™ (STRmix)				
3	14,16	17	10,14	15,16	11,13
	9,11	11,12	13	17,18	9,12
	13,14	13,14	30,34.2	15	X,Y
	22			19,29.2	7,9.3
	17	10			2
X8MNRB	GlobalFiler™				
3	14,16	17,17	10,14	15,16	11,13
	9,11	11,12	13,13	17,18	9,12
	13,14	13,14	30,34.2	15,15	X,Y
	22,22			19,29.2	7,9.3
	17,17	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

XGXQCB	GlobalFiler™					
	14,16	17,17	10,14	15,16	11,13	
	3	9,11	11,12	13,13	17,18	9,12
		13,14	13,14	30,34.2	15,15	X,Y
		22,22		19,29.2	7,9.3	8,11
		17,17	10		2	
XMYZMA	GlobalFiler™ (STRmix)					
	14,16	17	10,14	15,16	11,13	
	3	9,11	11,12	13	17,18	9,12
		13,14	13,14	30,34.2	15	X,Y
		22		19,29.2	7,9.3	8,11
		17	10		2	
XNTYL9	PowerPlex® Fusion 6C (STRmix)					
	14,16	17	10,14	15,16	11,13	
	3	9,11	11,12	13	17,18	9,12
		13,14	13,14	30,34.2	15	X,Y
		22	9	7,16	19,29.2	7,9.3
		17	10	18	18	8,11
XQZ2N8	GlobalFiler™ (STRmix v 2.7)					
	14,16	17	10,14	15,16	11,13	
	3	9,11	11,12	13	17,18	9,12
		13,14	13,14	30,34.2	15	X,Y
		22		19,29.2	7,9.3	8,11
		17	10		2	
Z8WD68	GlobalFiler™					
	14,16	17	10,14	15,16	11,13	
	3	9,11	11,12	13	17,18	9,12
		13,14	13,14	30,34.2	15	X,Y
		22		19,29.2	7,9.3	8,11
		17	10		2	
ZPJQM6	GlobalFiler™					
	14,16	17	10,14	15,16	11,13	
	3	9,11	11,12	13	17,18	9,12
		13,14	13,14	30,34.2	15	X,Y
		22		19,29.2	7,9.3	8,11
		17	10		2	
ZYGQW3	GlobalFiler™					
	14,16	17,17	10,14	15,16	11,13	
	3	9,11	11,12	13,13	17,18	9,12
		13,14	13,14	30,34.2	15,15	X,Y
		22,22		19,29.2	7,9.3	8,11
		17,17	10		2	

TABLE 1

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

Item 4 - STR Results

26Q6H9	PowerPlex® Fusion 6C (STRmix V2.5)				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X
	22,22	13,13	5,14	17,19	9,9.3
	15,18	NR	NR	NR	
27MKU6	GlobalFiler™				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X
	22,22			17,19	9,9.3
	15,18	--			--
2ERRA6	GlobalFiler™ (STRmix)				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22			17,19	9,9.3
	15,18				
34A8P9	GlobalFiler™ (STRMIX)				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22			17,19	9,9.3
	15,18				
3FHDF2	GlobalFiler™				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X
	22,22			17,19	9,9.3
	15,18				
3QLBK4	GlobalFiler™				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22			17,19	9,9.3
	15,18				
3QPTMA	PowerPlex® Fusion 6C				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X
	22,22	13,13	5,14	17,19	9,9.3
	15,18	NR	NR	NR	

TABLE 1

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

Item 4 - STR Results

3WQ6H7	GlobalFiler™ (STRmix)				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22			17,19	9,9.3
	15,18				8,11
4VEPN6	GlobalFiler™ (STRmix)				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22			17,19	9,9.3
	15,18				8,11
4Z6YY4	GlobalFiler™ (STRMIX)				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22			17,19	9,9.3
	15,18				8,11
6BZRKY	GlobalFiler™				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X
	22,22	--	--	17,19	9,9.3
	15,18	--	--	--	--
6MC274	PowerPlex® Fusion 5C				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22	13	5,14		9,9.3
	15,18				8,11
6RAJM6	PowerPlex® Fusion 6C (STRmix)				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X
	22,22	13,13	5,14	17,19	9,9.3
	15,18	NR	NR	NR	8,11
6T6YY2	GlobalFiler™				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X
	22,22			17,19	9,9.3
	15,18	--			8,11

TABLE 1

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

Item 4 - STR Results

6XF7KZ	FlexPlex27					
		14,15	20,23	14,14	15,16	13,13
4		8,12	12,14	13,15	20,22	12,12
		12,17	12,14	29,33.2	15,16	X,X
		22,22		5,14	17,19	9,9.3
		15,18				8,11
6XULPZ	PowerPlex® Fusion					
		14,15	20,23	14	15,16	13
4		8,12	12,14	13,15	20,22	12
		12,17	12,14	29,33.2	15,16	X
		22	13	5,14		9,9.3
		15,18	NR			8,11
6YP6R2	GlobalFiler™					
		14,15	20,23	14	15,16	13
4		8,12	12,14	13,15	20,22	12
		12,17	12,14	29,33.2	15,16	X,X
		22		17,19	9,9.3	10
		15,18	NM			8,11
7BY8FW	FlexPlex 27					
4						
7EGLU6	GlobalFiler™					
		14,15	20,23	14	15,16	13
4		8,12	12,14	13,15	20,22	12
		12,17	12,14	29,33.2	15,16	X
		22		17,19	9,9.3	10
		15,18				8,11
7PX7D2	GlobalFiler™					
		14,15	20,23	14,14	15,16	13,13
4		8,12	12,14	13,15	20,22	12,12
		12,17	12,14	29,33.2	15,16	X,X
		22,22		17,19	9,9.3	10,10
		15,18	NR			8,11
7QA6BV	NGM SElect					
		14,15	20,23	14,14	15,16	
4			12,14	13,15	20,22	10,12
		12,17	12,14	29,33.2	15,16	X,X
		22,22		17,19	9,9.3	
		15,18				

TABLE 1

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

Item 4 - STR Results

7QULQY	GlobalFiler™					
4	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18					
7YK8WW	GlobalFiler™					
4	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18					
7ZFPXX	GlobalFiler™ (STRmix)					
4	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18					
8PWJP2	PowerPlex® Fusion 6C (STRmix)					
4	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22	13	5,14	17,19	9,9.3	8,11
	15,18					
8QNQKX	PowerPlex® Fusion					
4	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22	13	5,14		9,9.3	8,11
	15,18	NR				
8UPPYW	GlobalFiler™					
4	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18	--			--	
9GDPYW	PowerPlex® Fusion 5C					
4	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22	13	5,14		9,9.3	8,11
	15,18	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 4 - STR Results

9GG722	PowerPlex® Fusion 6C (STRmix V2.5.11)				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X
	22,22	13,13	5,14	17,19	9,9.3
	15,18	NR	NR	NR	
9YC3B4	FlexPlex27				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X
	22,22		5,14	17,19	9,9.3
	15,18				
A3UJ7U	GlobalFiler™				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X
	22,22	--	--	17,19	9,9.3
	15,18	--	--	--	--
ADRJJY	GlobalFiler™ (STRmix)				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22			17,19	9,9.3
	15,18				
AL86NV	PowerPlex® Fusion				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22	13	5,14		9,9.3
	15,18	N/R			
B46V8W	GlobalFiler™				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22	NT	NT	17,19	9,9.3
	15,18	NR	NT	NT	NR
B9CA7U	PowerPlex® Fusion				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X,X
	22	13	5,14		9,9.3
	15,18	NA			

TABLE 1

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

Item 4 - STR Results

BGRVBR	GlobalFiler™ (STRmix)				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22			17,19	9,9.3
	15,18				8,11
BH784V	GlobalFiler™				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	XX
	22,22			17,19	9,9.3
	15,18				8,11
C8484W	PowerPlex® 21 (STRmix 2.8.0)				
4	14,15	20,23		15,16	13,13
	8,12	12,14		20,22	12,12
	12,17	12,14	29,33.2		XX
	22,22	13,13	5,14		9,9.3
	15,18				8,11
CA784T	FlexPlex 27				
4	14,15	20,23	14,14	15,16	13,13
	8,12		13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	
			5,14	17,19	9,9.3
	15,18				8,11
CGKZ9X	PowerPlex® Fusion 6C (STRmix V.2.5.11)				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	XX
	22,22	13,13	5,14	17,19	9,9.3
	15,18	NR	NR	NR	8,11
CHGGKU	GlobalFiler™				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	XX
	22,22			17,19	9,9.3
	15,18	--			8,11
CWY96V	GlobalFiler™				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	XX
	22			17,19	9,9.3
	15,18	NM			8,11

TABLE 1

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

Item 4 - STR Results

D3Z8TP	GlobalFiler™					
4	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10
	22			17,19	9,9.3	8,11
	15,18	NM			NM	
DDK3JQ	GlobalFiler™					
4	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18					
DM4TTV	PowerPlex® Fusion 6C (STRmix)					
4	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
	15,18					
E2JB2P	RapidINTEL Plus					
4	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
	15,18					
EDYBLQ	I-chip/FlexPlex 27					
4	14,15	20,23	14,14	15,16	13,13	11,12
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22		5,14	17,19	9,9.3	8,11
	15,18					
EZMUNT	GlobalFiler™					
4	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
	15,18					
FT4QGQ	PowerPlex® Fusion					
4	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22	13	5,14		9,9.3	8,11
	15,18	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 4 - STR Results

FTMUPQ	PowerPlex® Fusion				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22	13	5,14		9,9.3
	15,18	NR			8,11
FYXYPQ	PowerPlex® Fusion 6C (STRmix)				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22	13	5,14	17,19	9,9.3
	15,18				8,11
GPHLXL	GlobalFiler™				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X,X
	22			17,19	9,9.3
	15,18	NM			8,11
GUXUQR	GlobalFiler™				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22			17,19	9,9.3
	15,18				8,11
GZ4MKM	GlobalFiler™				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X
	22,22			17,19	9,9.3
	15,18				8,11
HQ989N	GlobalFiler™ (STRmix)				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22			17,19	9,9.3
	15,18				8,11
JQ8M6L	FlexPlex 27				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X
	22,22		5,14	17,19	9,9.3
	15,18				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

JU7YZL	FlexPlex 27					
	14,15			15,16	13,13	11,12
	4	8,12	12,14	13,15		10,12
		12,17	12,14	29,33.2	15,16	10,10
			5,14	17,19	9,9.3	8,11
	15,18					
LWRA4J	GlobalFiler™ (STRmix)					
	14,15	20,23	14	15,16	13	
	4	8,12	12,14	13,15	20,22	10,12
		12,17	12,14	29,33.2	15,16	X
		22		17,19	9,9.3	8,11
	15,18					
M3MXUL	PowerPlex® Fusion 6C (STRmix)					
	14,15	20,23	14,14	15,16	13,13	
	4	8,12	12,14	13,15	20,22	10,12
		12,17	12,14	29,33.2	15,16	X,X
		22,22	13,13	5,14	17,19	9,9.3
	15,18					
MA67HJ	PowerPlex® Fusion					
	14,15	20,23	14	15,16	13	
	4	8,12	12,14	13,15	20,22	10,12
		12,17	12,14	29,33.2	15,16	X
		22	13	5,14		9,9.3
	15,18	NR				
NCY3VJ	GlobalFiler™					
	14,15	20,23	14,14	15,16	13,13	
	4	8,12	12,14	13,15	20,22	10,12
		12,17	12,14	29,33.2	15,16	X,X
		22,22		17,19	9,9.3	8,11
	15,18					
NFU3KE	GlobalFiler™					
	14,15	20,23	14	15,16	13	
	4	8,12	12,14	13,15	20,22	10,12
		12,17	12,14	29,33.2	15,16	X,X
		22		17,19	9,9.3	8,11
	15,18	NM			NM	
NK48KE	GlobalFiler™					
	14,15	20,23	14,14	15,16	13,13	
	4	8,12	12,14	13,15	20,22	10,12
		12,17	12,14	29,33.2	15,16	X,X
		22,22		17,19	9,9.3	8,11
	15,18					

TABLE 1

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

Item 4 - STR Results

NLYQMG	FlexPlex 27					
	14,15	20,23	14,14	15,16	13,13	11,12
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22		5,14	17,19	9,9.3	8,11
15,18						
P2RRTL	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14	17,19	9,9.3	8,11
15,18 NR NR NR						
P3YAQH	GlobalFiler™ (STRmix)					
	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
15,18						
P8DXBE	FlexPlex 27					
	14,15	20,23		15,16		11,12
	8,12	12,14	13,15	20,22		10,12
		12,14	29,33.2	15,16		10,10
			5,14	17,19	9,9.3	8,11
15,18						
PQA46E	GlobalFiler™					
	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
15,18						
Q8AKJC	GlobalFiler™					
	14,15	20,23	14	15,16	13	
	8,12	12,14	13,15	20,22	12	10,12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
15,18						
QTP4AK	GlobalFiler™					
	14,15	20,23	14,14	15,16	13,13	
	8,12	12,14	13,15	20,22	12,12	10,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
15,18 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 4 - STR Results

QVWL9G	GlobalFiler™					
	14,15	20,23	14	15,16	13	
	4	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
15,18						
R2GYQF	GlobalFiler™ (STRmix)					
	14,15	20,23	14	15,16	13	
	4	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
15,18						
R4MBTB	GlobalFiler™					
	14,15	20,23	14,14	15,16	13,13	
	4	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22			17,19	9,9.3	8,11
15,18						
RGUADH	GlobalFiler™					
	14,15	20,23	14	15,16	13	
	4	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
15,18						
RKUL9H	GlobalFiler™					
	14,15	20,23	14	15,16	13	
	4	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X	10
	22			17,19	9,9.3	8,11
15,18						
RYGGYF	PowerPlex® Fusion 6C (STRmix)					
	14,15	20,23	14	15,16	13	
	4	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X	10
	22	13	5,14	17,19	9,9.3	8,11
15,18						
T38KWC	PowerPlex® 5C					
	14,15	20,23	14,14	15,16	13,13	
	4	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X	10,10
	22,22	13,13	5,14		9,9.3	8,11
15,18						
NA						

TABLE 1

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

Item 4 - STR Results

T7QC9E	GlobalFiler™ (STRmix)				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22			17,19	9,9.3
	15,18				8,11
T9GQJB	GlobalFiler™				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X
	22,22			17,19	9,9.3
	15,18				8,11
TQBGPC	PowerPlex® Fusion				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22	13	5,14		9,9.3
	15,18	NR			8,11
TTKJEG	GlobalFiler™				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22			17,19	9,9.3
	15,18	No results			No results
UJBGPA	PowerPlex® Fusion 5C				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22	13	5,14		9,9.3
	15,18				8,11
UNP6DD	PowerPlex® Fusion 6C (STRmix)				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22	13	5,14	17,19	9,9.3
	15,18				8,11
URPZDF	PowerPlex® Fusion 6C (STRmix V2.5)				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X
	22,22	13,13	5,14	17,19	9,9.3
	15,18	NR	NR	NR	8,11

TABLE 1

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

Item 4 - STR Results

UTWHCB	GlobalFiler™				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22			17,19	9,9.3
	15,18				8,11
UXVWWF	PowerPlex® Fusion 6C				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X
	22,22	13,13	5,14	17,19	9,9.3
	15,18	NR	NR	NR	8,11
V2LP3F	GlobalFiler™ (STRmix, V2.11)				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22			17,19	9,9.3
	15,18				8,11
WCMDVC	PowerPlex® Fusion 6C (STRmix)				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X
	22,22	13,13	5,14	17,19	9,9.3
	15,18				8,11
WJYPRA	PowerPlex® 35GY (STRMix)				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X,X
	22	13	5,14	17,19	9,9.3
	15,18				8,11
WNUJPB	GlobalFiler™ (STRmix)				
4	14,15	20,23	14	15,16	13
	8,12	12,14	13,15	20,22	12
	12,17	12,14	29,33.2	15,16	X
	22			17,19	9,9.3
	15,18				8,11
X8MNRB	GlobalFiler™				
4	14,15	20,23	14,14	15,16	13,13
	8,12	12,14	13,15	20,22	12,12
	12,17	12,14	29,33.2	15,16	X,X
	22,22			17,19	9,9.3
	15,18	NR			8,11

TABLE 1

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

Item 4 - STR Results

XGXQCB	GlobalFiler™					
	14,15	20,23	14,14	15,16	13,13	
	4	8,12	12,14	13,15	20,22	12,12
		12,17	12,14	29,33.2	15,16	X,X
		22,22		17,19	9,9.3	8,11
		15,18	NR		NR	
XMYZMA	GlobalFiler™ (STRmix)					
	14,15	20,23	14	15,16	13	
	4	8,12	12,14	13,15	20,22	12
		12,17	12,14	29,33.2	15,16	X
		22		17,19	9,9.3	8,11
		15,18				
XNTYL9	PowerPlex® Fusion 6C (STRmix)					
	14,15	20,23	14	15,16	13	
	4	8,12	12,13,14	13,15	20,22	12
		12,17	12,14	29,33.2	15,16	X
		22	13	5,14	17,19	9,9.3
		15,18				8,11
XQZ2N8	GlobalFiler™ (STRmix v 2.7)					
	14,15	20,23	14	15,16	13	
	4	8,12	12,14	13,15	20,22	12
		12,17	12,14	29,33.2	15,16	X
		22		17,19	9,9.3	8,11
		15,18				
Z8WD68	GlobalFiler™					
	14,15	20,23	14	15,16	13	
	4	8,12	12,14	13,15	20,22	12
		12,17	12,14	29,33.2	15,16	X
		22		17,19	9,9.3	8,11
		15,18				
ZPJQM6	GlobalFiler™ (STRmix)					
	14,15	20,23	14	15,16	13	
	4	8,12	12,14	13,15	20,22	12
		12,17	12,14	29,33.2	15,16	X
		22		17,19	9,9.3	8,11
		15,18				
ZYGQW3	GlobalFiler™					
	14,15	20,23	14,14	15,16	13,13	
	4	8,12	12,14	13,15	20,22	12,12
		12,17	12,14	29,33.2	15,16	X,X
		22,22		17,19	9,9.3	8,11
		15,18				

YSTR Amplification Kit(s) & Results

TABLE 2

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 2 - YSTR Results										
26Q6H9	PowerPlex® Y 23									
2	14	11,15	13	28	24	10	13	13		
	15	12	12	18	16	17		23		
	12	11	18	18		24	10	12		
2ERRA6	Yfiler™ Plus									
2	36,37	14	11,15	13	28	24	10	13	13	
	15	12	12	18	28	16	17	11	23	
	39	12		18	18	20	24		12	
3QPTMA	PowerPlex® Y 23									
2	14	11,15	13	28	24	10	13	13		
	15	12	12	18	16	17		23		
	12	11	18	18		24	10	12		
3WQ6H7	Yfiler™ Plus									
2	36,37	14	11,15	13	28	24	10	13	13	
	15	12	12	18	28	16	17	11	23	
	39	12		18	18	20	24		12	
4VEPN6	Yfiler™ Plus									
2	36,37	14	11,15	13	28	24	10	13	13	
	15	12	12	18	28	16	17	11	23	
	39	12		18	18	20	24		12	
4VERDA	PowerPlex® Y 23									
2	14	11,15	13	28	24	10	13	13		
	15	12	12	18	16	17		23		
	12	11	18	18		24	10	12		
4Z6YY4	Yfiler™ Plus									
2	36,37	14	11,15	13	28	24	10	13	13	
	15	12	12	18	28	16	17	11	23	
	39	12		18	18	20	24		12	
6RAJM6	PowerPlex® Y 23									
2	14	11,15	13	28	24	10	13	13		
	15	12	12	18	16	17		23		
	12	11	18	18		24	10	12		
6T6YY2	PowerPlex® Y 23									
2	14	11,15	13	28	24	10	13	13		
	15	12	12	18	16	17		23		
	12	11	18	18		24	10	12		
6XULPZ	Yfiler™ Plus									
2	36,37	14	11,15	13	28	24	10	13	13	
	15	12	12	18	28	16	17	11	23	
	39	12		18	18	20	24		12	
6YP6R2	Yfiler™									
2	14	11,15	13	28	24	10	13	13		
	15	12	12	18	16	17				
						24		12		

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
7BG9D8	PowerPlex® Y 23								
2		14	11,15	13	28	24	10	13	13
	15	12	12	18		16	17		23
		12	11	18	18		24	10	12
7EGLU6	Yfiler™ Plus								
2	36,37	14	11,15	13	28	24	10	13	13
	15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24		12
7QA6BV	PowerPlex® Y 23								
2		14	11,15	13	28	24	10	13	13
	15	12	12	18		16	17		23
		12	11	18	18		24	10	12
7ZFPXX	PowerPlex® Y 23								
2		14	11,15	13	28	24	10	13	13
	15	12	12	18		16	17		23
		12	11	18	18		24	10	12
8QNQKX	Yfiler™ Plus								
2	36,37	14	11,15	13	28	24	10	13	13
	15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24		12
9GDPYW	Yfiler™ Plus								
2	36,37	14	11,15	13	28	24	10	13	13
	15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24		12
9GG722	PowerPlex® Y 23								
2		14	11,15	13	28	24	10	13	13
	15	12	12	18		16	17		23
		12	11	18	18		24	10	12
ADRJJY	Yfiler™ Plus								
2	36,37	14	11,15	13	28	24	10	13	13
	15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24		12
AL86NV	Yfiler™ Plus								
2	36,37	14	11,15	13	28	24	10	13	13
	15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24		12
AXZMG4	PowerPlex® Y 23								
2		14	11,15	13	28	24	10	13	13
	15	12	12	18		16	17		23
		12	11	18	18		24	10	12
B46V8W	Yfiler™ Plus (Direct)								
2	36,37	14	11,15	13	28	24	10	13	13
	15	12	12	18	28	16	17	11	23
	39	12	NT	18	18	20	24	NT	12
CGKZ9X	PowerPlex® Y 23								
2		14	11,15	13	28	24	10	13	13
	15	12	12	18		16	17		23
		12	11	18	18		24	10	12

TABLE 2

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 2 - YSTR Results										
CWY96V	Yfiler™									
2		14	11,15	13	28	24	10	13	13	
	15	12	12	18		16	17			
							24		12	
D3Z8TP	Yfiler™									
2		14	11,15	13	28	24	10	13	13	
	15	12	12	18		16	17			
							24		12	
FT4QGQ	Yfiler™ Plus									
2	36,37	14	11,15	13	28	24	10	13	13	
	15	12	12	18	28	16	17	11	23	
	39	12		18	18	20	24		12	
FTMUPQ	Yfiler™ Plus									
2	36,37	14	11,15	13	28	24	10	13	13	
	15	12	12	18	28	16	17	11	23	
	39	12		18	18	20	24		12	
GPHLXL	Yfiler™									
2		14	11,15	13	28	24	10	13	13	
	15	12	12	18		16	17			
							24		12	
HQ989N	Yfiler™ Plus									
2	36,37	14	11,15	13	28	24	10	13	13	
	15	12	12	18	28	16	17	11	23	
	39	12		18	18	20	24		12	
M3MXUL	PowerPlex® Y 23									
2		14	11,15	13	28	24	10	13	13	
	15	12	12	18		16	17		23	
		12	11	18	18		24	10	12	
MA67HJ	Yfiler™ Plus									
2	36,37	14	11,15	13	28	24	10	13	13	
	15	12	12	18	28	16	17	11	23	
	39	12		18	18	20	24		12	
NAMAUP	PowerPlex® Y 23									
2		14	11,15	13	28	24	10	13	13	
	15	12	12	18		16	17		23	
		12	11	18	18		24	10	12	
NCY3VJ	Yfiler™									
2		14	11,15	13	28	24	10	13	13	
	15	12	12	18		16	17			
							24		12	
NFU3KE	Yfiler™									
2		14	11,15	13	28	24	10	13	13	
	15	12	12	18		16	17			
							24		12	
NK48KE	Yfiler™									
2		14	11,15	13	28	24	10	13	13	
	15	12	12	18		16	17			
							24		12	

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results										
P2RRTL	PowerPlex® Y 23									
		14	11,15	13	28	24	10	13	13	
2		15	12	12	18	16	17		23	
		12	11	18	18		24	10	12	
PQA46E	Yfiler™									
		14	11,15	13	28	24	10	13	13	
2		15	12	12	18	16	17			
							24		12	
PWWXVK	PowerPlex® Y 23									
		14	11,15	13	28	24	10	13	13	
2		15	12	12	18	16	17		23	
		12	11	18	18		24	10	12	
Q8AKJC	Yfiler™ Plus									
	36,37	14	11,15	13	28	24	10	13	13	
2		15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24			12
QJ27ML	PowerPlex® Y 23									
		14	11,15	13	28	24	10	13	13	
2		15	12	12	18	16	17		23	
		12	11	18	18		24	10	12	
RBQ42L	PowerPlex® Y 23									
		14	11,15	13	28	24	10	13	13	
2		15	12	12	18	16	17		23	
		12	11	18	18		24	10	12	
RYGGYF	PowerPlex® Y 23									
		14	11,15	13	28	24	10	13	13	
2		15	12	12	18	16	17		23	
		12	11	18	18		24	10	12	
T7QC9E	Yfiler™ Plus									
	36,37	14	11,15	13	28	24	10	13	13	
2		15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24			12
TQBGPC	Yfiler™ Plus									
	36,37	14	11,15	13	28	24	10	13	13	
2		15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24			12
UJBGPA	PowerPlex® Y 23									
		14	11,15	13	28	24	10	13	13	
2		15	12	12	18	16	17		23	
		12	11	18	18		24	10	12	
URPZDF	PowerPlex® Y 23									
		14	11,15	13	28	24	10	13	13	
2		15	12	12	18	16	17		23	
		12	11	18	18		24	10	12	
UTWHCB	Yfiler™ Plus									
	36,37	14	11,15	13	28	24	10	13	13	
2		15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24			12

TABLE 2

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

Item 2 - YSTR Results

UXVWWF	PowerPlex® Y 23								
		14	11,15	13	28	24	10	13	13
	2	15	12	12	18	16	17		23
		12	11	18	18		24	10	12
V2LP3F	Yfiler™ Plus								
		36,37	14	11,15	13	28	24	10	13
	2	15	12	12	18	28	16	17	11
		39	12		18	18	20	24	12
WJYPRA	PowerPlex® 35GY								
			11,15			24			
	2	12		18		16	17		23
							24	10	
WNUJPB	Yfiler™ Plus								
		36,37	14	11,15	13	28	24	10	13
	2	15	12	12	18	28	16	17	11
		39	12		18	18	20	24	12
X2GVWE	Yfiler™ Plus								
		36,37	14	11,15	13	28	24	10	13
	2	15	12	12	18	28	16	17	11
		39	12		18	18	20	24	12
X7DCDF	PowerPlex® Y 23								
		14	11,15	13	28	24	10	13	13
	2	15	12	12	18	16	17		23
		12	11	18	18		24	10	12
XGXQCB	Yfiler™ Plus								
		36,37	14	11,15	13	28	24	10	13
	2	15	12	12	18	28	16	17	11
		39	12		18	18	20	24	12
XNTYL9	PowerPlex® Y 23								
		14	11,15	13	28	24	10	13	13
	2	15	12	12	18	16	17		23
		12	11	18	18		24	10	12
ZPJQM6	Yfiler™ Plus								
		36,37	14	11,15	13	28	24	10	13
	2	15	12	12	18	28	16	17	11
		39	12		18	18	20	24	12
ZYGQW3	Yfiler™ Plus								
		36,37	14	11,15	13	28	24	10	13
	2	15	12	12	18	28	16	17	11
		39	12		18	18	20	24	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										
2ERRA6		Yfiler™ Plus								
		36,37	14	11,15	13	28	24	10	13	13
3		15	12	12	18	28	16	17	11	23
		39	12		18	18	20	24		12
3WQ6H7		Yfiler™ Plus								
		36,37	14	11,15	13	28	24	10	13	13
3		15	12	12	18	28	16	17	11	23
		39	12		18	18	20	24		12
4VEPN6		Yfiler™ Plus								
		36,37	14	11,15	13	28	24	10	13	13
3		15	12	12	18	28	16	17	11	23
		39	12		18	18	20	24		12
4Z6YY4		Yfiler™ Plus								
		36,37	14	11,15	13	28	24	10	13	13
3		15	12	12	18	28	16	17	11	23
		39	12		18	18	20	24		12
6T6YY2		PowerPlex® Y 23								
			14	11,15	13	28	24	10	13	13
3		15	12	12	18		16	17		23
			12	11	18	18		24	10	12
6XULPZ		Yfiler™ Plus								
		36,37	14	11,15	13	28	24	10	13	13
3		15	12	12	18	28	16	17	11	23
		39	12		18	18	20	24		12
6YP6R2		Yfiler™								
			14	11,15	13	28	24	10	13	13
3		15	12	12	18		16	17		
								24		12
7EGLU6		Yfiler™ Plus								
		36,37	14	11,15	13	28	24	10	13	13
3		15	12	12	18	28	16	17	11	23
		39	12		18	18	20	24		12
7QA6BV		PowerPlex® Y 23								
			14	11,15	13	28	24	10	13	13
3		15	12	12	18		16	17		23
			12	11	18	18		24	10	12
7ZFPXX		PowerPlex® Y 23								
			14	11,15	13	28	24	10	13	13
3		15	12	12	18		16	17		23
			12	11	18	18		24	10	12
8QNQKX		Yfiler™ Plus								
		36,37	14	11,15	13	28	24	10	13	13
3		15	12	12	18	28	16	17	11	23
		39	12		18	18	20	24		12
9GDPYW		Yfiler™ Plus								
		36,37	14	11,15	13	28	24	10	13	13
3		15	12	12	18	28	16	17	11	23
		39	12		18	18	20	24		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										
9GG722	PowerPlex® Y 23									
3		14	11,15	13	28	24	10	13	13	
	15	12	12	18		16	17		23	
		12	11	18	18		24	10	12	
ADRJJY	Yfiler™ Plus									
3	36,37	14	11,15	13	28	24	10	13	13	
	15	12	12	18	28	16	17	11	23	
	39	12		18	18	20	24		12	
AL86NV	Yfiler™ Plus									
3	36,37	14	11,15	13	28	24	10	13	13	
	15	12	12	18	28	16	17	11	23	
	39	12		18	18	20	24		12	
B46V8W	Yfiler™ Plus									
3	36,37	14	11,15	13	28	24	10	13	13	
	15	12	12	18	28	16	17	11	23	
	39	12	NT	18	18	20	24	NT	12	
CGKZ9X	PowerPlex® Y 23									
3		14	11,15	13	28	24	10	13	13	
	15	12	12	18		16	17		23	
		12	11	18	18		24	10	12	
CWY96V	Yfiler™									
3		14	11,15	13	28	24	10	13	13	
	15	12	12	18		16	17			
							24		12	
D3Z8TP	Yfiler™									
3		14	11,15	13	28	24	10	13	13	
	15	12	12	18		16	17			
							24		12	
FT4QGQ	Yfiler™ Plus									
3	36,37	14	11,15	13	28	24	10	13	13	
	15	12	12	18	28	16	17	11	23	
	39	12		18	18	20	24		12	
FTMUPQ	Yfiler™ Plus									
3	36,37	14	11,15	13	28	24	10	13	13	
	15	12	12	18	28	16	17	11	23	
	39	12		18	18	20	24		12	
GPHLXL	Yfiler™									
3		14	11,15	13	28	24	10	13	13	
	15	12	12	18		16	17			
							24		12	
HQ989N	Yfiler™ Plus									
3	36,37	14	11,15	13	28	24	10	13	13	
	15	12	12	18	28	16	17	11	23	
	39	12		18	18	20	24		12	
M3MXUL	PowerPlex® Y 23									
3		14	11,15	13	28	24	10	13	13	
	15	12	12	18		16	17		23	
		12	11	18	18		24	10	12	

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3 - YSTR Results									
MA67HJ	Yfiler™ Plus								
3	36,37	14	11,15	13	28	24	10	13	13
	15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24		12
NCY3VJ	Yfiler™								
3		14	11,15	13	28	24	10	13	13
	15	12	12	18		16	17		
							24		12
NFU3KE	Yfiler™								
3		14	11,15	13	28	24	10	13	13
	15	12	12	18		16	17		
							24		12
NK48KE	Yfiler™								
3		14	11,15	13	28	24	10	13	13
	15	12	12	18		16	17		
							24		12
P2RRTL	PowerPlex® Y 23								
3		14	11,15	13	28	24	10	13	13
	15	12	12	18		16	17		23
		12	11	18	18		24	10	12
PQA46E	Yfiler™								
3		14	11,15	13	28	24	10	13	13
	15	12	12	18		16	17		
							24		12
Q8AKJC	Yfiler™ Plus								
3	36,37	14	11,15	13	28	24	10	13	13
	15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24		12
RYGGYF	PowerPlex® Y 23								
3		14	11,15	13	28	24	10	13	13
	15	12	12	18		16	17		23
		12	11	18	18		24	10	12
T7QC9E	Yfiler™ Plus								
3	36,37	14	11,15	13	28	24	10	13	13
	15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24		12
TQBGPC	Yfiler™ Plus								
3	36,37	14	11,15	13	28	24	10	13	13
	15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24		12
UJBGPA	PowerPlex® Y 23								
3		14	11,15	13	28	24	10	13	13
	15	12	12	18		16	17		23
		12	11	18	18		24	10	12
UTWHCB	Yfiler™ Plus								
3	36,37	14	11,15	13	28	24	10	13	13
	15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24		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

UXVWWF	PowerPlex® Y 23								
		14	11,15	13	28	24	10	13	13
3	15	12	12	18		16	17		23
		12	11	18	18		24	10	12
V2LP3F	Yfiler™ Plus								
	36,37	14	11,15	13	28	24	10	13	13
3	15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24		12
WJYPRA	PowerPlex® 35GY								
			11,15			24			
3		12		18		16	17		23
							24	10	
WNUJPB	Yfiler™ Plus								
	36,37	14	11,15	13	28	24	10	13	13
3	15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24		12
X2GVWE	Yfiler™ Plus								
	36,37	14	11,15	13	28	24	10	13	13
3	15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24		12
XGXQCB	Yfiler™ Plus								
	36,37	14	11,15	13	28	24	10	13	13
3	15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24		12
XNTYL9	PowerPlex® Y 23								
		14	11,15	13	28	24	10	13	13
3	15	12	12	18		16	17		23
		12	11	18	18		24	10	12
ZPJQM6	Yfiler™ Plus								
	36,37	14	11,15	13	28	24	10	13	13
3	15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24		12
ZYGQW3	Yfiler™ Plus								
	36,37	14	11,15	13	28	24	10	13	13
3	15	12	12	18	28	16	17	11	23
	39	12		18	18	20	24		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

9GDPYW	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
NCY3VJ	Yfiler™								
4									
NK48KE	Yfiler™								
4									

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
26Q6H9	No	Yes	Yes	No	7EGLU6	No	Yes	Yes	No
27MKU6	No	Yes	Yes	No	7PX7D2	No	Yes	Yes	No
2ERRA6	No	Yes	Yes	No	7QA6BV	No	Yes	Yes	No
34A8P9	No	Yes	Yes	No	7QULQY	No	Yes	Yes	No
3FHDF2	No	Yes	Yes	No	7YK8WW	No	Yes	Yes	No
3QLBK4	No	Yes	Yes	No	7ZFPXX	No	Yes	Yes	No
3QPTMA	No	Yes	Yes	No	8PWJP2	No	Yes	Yes	No
3WQ6H7	No	Yes	Yes	No	8QNQKX	No	Yes	Yes	No
4VEPN6	No	Yes	Yes	No	8UPPYW	No	Yes	Yes	No
4VERDA	No Interpretations Reported, DNA Analyzed for Database purposes only.				9GDPYW	No	Yes	Yes	No
4Z6YY4	No	Yes	Yes	No	9GG722	No	Yes	Yes	No
6BZRKY	No	Yes	Yes	No	9YC3B4	No	Yes	No Interp	No Interp
6MC274	No	Yes	Yes	No	A3UJ7U	No	Yes	Yes	No
6RAJM6	No	Yes	Yes	No	ADRJJY	No	Yes	Yes	No
6T6YY2	No	Yes	Yes	No	AL86NV	No	Yes	Yes	No
6XF7KZ	No	Yes	Yes	No	AXZMG4	No Interpretations Reported, DNA Analyzed for Database purposes only.			
6XULPZ	No	Yes	Yes	No	B46V8W	No	Yes	Yes	No
6YP6R2	No	Yes	Yes	No	B9CA7U	No	Yes	Yes	No
7BG9D8	No Interpretations Reported, DNA Analyzed for Database purposes only.				BGRVBR	No	Yes	Yes	No
7BY8FW	No	No Interp	Yes	No Interp	BH784V	No	Yes	Yes	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
C8484W	No	Yes	Yes	No	LWRA4J	No	Yes	Yes	No
CA784T	No	Yes	Yes	No	M3MXUL	No	Yes	Yes	No
CGKZ9X	No	Yes	Yes	No	MA67HJ	No	Yes	Yes	No
CHGGKU	No	Yes	Yes	No	MWXB3M	No Interpretations Reported, DNA Analyzed for Database purposes only.			
CWY96V	No	Yes	Yes	No	NAMAUP	No Interpretations Reported, DNA Analyzed for Database purposes only.			
D3Z8TP	No	Yes	Yes	No	NCY3VJ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
DDK3JQ	No Interpretations Reported, DNA Analyzed for Database purposes only.				NFU3KE	No	Yes	Yes	No
DM4TTV	No	Yes	Yes	No	NK48KE	No Interpretations Reported, DNA Analyzed for Database purposes only.			
E2JB2P	No	Yes	Yes	No	NLYQMG	No	Yes	Yes	No
EDYBLQ	No	Yes	No Interp	No Interp	P2RRTL	No	Yes	Yes	No
EZMUNT	No	Yes	Yes	No	P3YAQH	No	Yes	Yes	No
FT4QGQ	No	Yes	Yes	No	P8DXBE	No	Yes	Yes	No
FTMUPQ	No	Yes	Yes	No	PQA46E	No Interpretations Reported, DNA Analyzed for Database purposes only.			
FYXYPQ	No	Yes	Yes	No	PWWXVK	No Interpretations Reported, DNA Analyzed for Database purposes only.			
GPHLXL	No	Yes	Yes	No	Q8AKJC	No	Yes	Yes	No
GUXUQR	No Interp	No Interp	No Interp	No Interp	QJ27ML	No Interpretations Reported, DNA Analyzed for Database purposes only.			
GZ4MKM	No	Yes	Yes	No	QTP4AK	No	Yes	Yes	No
HQ989N	No	Yes	Yes	No	QVWL9G	No	Yes	Yes	No
JQ8M6L	No Interp	No Interp	No Interp	No	R2GYQF	No	Yes	Yes	No
JU7YZL	No	Yes	No Interp	No Interp	R4MBTB	No Interpretations Reported, DNA Analyzed for Database purposes only.			
KJK4DQ	No Interpretations Reported, DNA Analyzed for Database purposes only.				RBQ42L	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
RGUADH	No	Yes	Yes	No	XMYZMA	No	Yes	Yes	No
RKUL9H	No	Yes	Yes	No	XNTYL9	No	Yes	Yes	No
RYGGYF	No	Yes	Yes	No	XQZ2N8	No	Yes	Yes	No
T38KWC	No	Yes	Yes	No	Z8WD68	No	Yes	Yes	No
T7QC9E	No	Yes	Yes	No	ZPJQM6	No	Yes	Yes	No
T9GQJB	No Interpretations Reported, DNA Analyzed for Database purposes only.				ZYGQW3	No	Yes	Yes	No
TQBGPC	No	Yes	Yes	No					
TTKJEG	No	Yes	Yes	No					
UJBGPA	No	Yes	Yes	No					
UNP6DD	No	Yes	Yes	No					
URPZDF	No	Yes	Yes	No					
UTWHCB	No	Yes	Yes	No					
UXVWWF	No	Yes	Yes	No					
V2LP3F	No	Yes	Yes	No					
WCMDVC	No	Yes	Yes	No					
WJYPRA	No	Yes	Yes	No					
WNUJPB	No	Yes	Yes	No					
X2GVWE	No Interp	No Interp	Yes	No Interp					
X7DCDF	No Interpretations Reported, DNA Analyzed for Database purposes only.								
X8MNRB	No	Yes	Yes	No					
XGXQCB	No	Yes	Yes	No					

DNA Interpretation				
Response Summary		Participants reporting DNA results: 109		
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	0	89	88	0
No	90	0	0	87
Inc	0	0	0	0
No Interpretation	3	4	5	6
No Response	0	0	0	0

Participants analyzing DNA for database purposes only: 16

Additional Comments

TABLE 5

WebCode	Additional Comments
26Q6H9	NR = No Result
27MKU6	STRmix analysis was conducted on this test.
3FHDF2	STRmix analysis was conducted on this test.
3QPTMA	NR=No Results
4VERDA	NR = No Results
6BZRKY	STRmix analysis was conducted on this test.
6RAJM6	NR = No Result
6T6YY2	STRmix analysis was completed on this test.
6XF7KZ	Rapid DNA analysis was used for this test. SE33 for Items 2 and 3 did not pass the expert system and therefore were not used for comparisons.
6XULPZ	Items 1, 2, 3, and 4 were analyzed with PowerPlex Fusion 5C. Items 2 and 3 were analyzed with Yfiler Plus. Items 1 and 2 were also analyzed with GlobalFiler Express on RapidHIT ID using ACE sample cartridges. Items 3 and 4 were also analyzed with GlobalFiler Express on RapidHIT ID using INTELPlus sample cartridges. Autosomal data for Items 1 and 2 were reported from GlobalFiler Express. Autosomal data for Items 3 and 4 were reported from PowerPlex Fusion 5C. Data reported out in this test is from analysis using GeneMapper ID-X. STRmix analysis was conducted on this test. NR = No Results.
6YP6R2	Extraction: - Item 1 and Item 2 were extracted using in-situ method. Item 2 was also extracted using chelex method for Y-STR analysis. Item 3 and Item 4 were extracted using EZ1 & 2 DNA Investigator Kit via EZ2 Connect Fx. Quantification: - Item 2, Item 3 and Item 4 were quantified using Applied Biosystem Quantifiler Trio DNA Quantification kit on QuantStudio 5 Real-Time PCR System. Amplification: - Item 1 and Item 2 were amplified using GlobalFiler Express Amplification kit on Proflex PCR system. Item 3 and Item 4 were amplified using GlobalFiler Amplification kit on GeneAmp 9700 system. Item 2 and Item 3 were amplified using Y-Filer Kit on GeneAmp 9700 system. Electrophoresis: - All amplified products were run on Genetic Analyzer 3500XL. Quality Control: - All reagent blank, positive control and negative control, were carried out throughout the analysis and all gave intended results. Remarks: - NM : Non-male profile.
7BG9D8	NR = No Results
7PX7D2	NR= no DNA result
7QA6BV	Probabilistic genotyping software (PGS) not used given that full DNA profiles were obtained matching Victim (from Item 4) and Suspect (from Item 3). Laboratory procedure is not to use PGS for such findings. Instead to estimate Likelihood Ratio as follows: Item 3: I estimate that the finding (ie. match to Suspect) is approximately one billion* times more likely if the blood tested has originated from him rather than from another individual unrelated to him. (Note: one billion is one thousand million). Item 4: I estimate that the finding (ie. match to Victim) is approximately one billion* times more likely if the blood tested has originated from her rather than from another individual unrelated to her. (Note: one billion is one thousand million). * in the [Country], one billion is the ceiling figure used when reporting likelihood ratios in forensic casework. Statistical evaluation of Y-STR result obtained from Item 3 with respect to the Suspect has not been conducted as no ethnicity provided for him and, in my opinion, is not required given the statistical evaluation of the autosomal STR (NGM Select) result obtained from Item 3 with respect to the Suspect.
7ZFPXX	Blank spaces in the STR results table indicate that results were not obtained at that locus.
8QNQKX	NR = No Results. Data reported is from analysis using GeneMapper ID-x. STRmix analysis was performed on this test.

TABLE 5

WebCode	Additional Comments
8UPPYW	STRmix analysis was conducted on this test.
9GDPYW	NR = No Results. STRmix analysis was conducted on this test. Reported data is from analysis using GeneMapper ID-X.
9GG722	NR = No Results.
9YC3B4	Samples tested using Rapid DNA.
A3UJ7U	STRmix analysis was conducted on this test.
AL86NV	N/R = No Results. Samples analyzed and reported using Genemapper ID-X. STRmix analysis was conducted on this test.
AXZMG4	NR = No Results
B46V8W	NR = No Result. NT = Not Tested.
CGKZ9X	NR = No Result
CHGGKU	STRmix analysis was conducted on this test.
CWY96V	Extraction: Item 1 and Item 2 were extracted using in situ method. Item 2 was also extracted using Chelex method for Y-STR analysis. Item 3 and Item 4 were extracted using Qiasymphony DNA Investigator Kit via Qiasymphony SP Platform. Quantification: Item 2, Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using Applied Biosystems Globalfiler Express PCR Amplification Kit on Proflex PCR System. Item 3 and Item 4 were amplified using Applied Biosystems Globalfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2 and Item 3 were amplified using AmpFISTR Y-Filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis was carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2 and Item 3 for Y-STR analysis. Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM: Non-male profile.
D3Z8TP	Extraction: Item 1 and Item 2 were extracted using FTA wash in-situ extraction. Item 3 and Item 4 was extracted using QIAAsymphony DNA Investigator Kit on QIAAsymphony SP System. Quantification: Item 3 and Item 4 extracts were quantified using Quantifiler Trio DNA Quantification kit on RT-PCR QuantStudio 5 System. Amplification: Item 1 and Item 2 FTAs were amplified using GlobalFiler Express PCR kit on ProFlex PCR System. Item 2 FTA was amplified using AmFISTR Y-Filer PCR kit on 9700 GeneAmp PCR System. Item 3 extract was amplified using AmFISTR Y-Filer PCR kit on 9700 GeneAmp PCR System. Item 3 and Item 4 extracts were amplified using GlobalFiler PCR kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis of GlobalFiler and Y-Filer amplicons were carried out on Genetic Analyzer 3500xL for Item 1, Item 2, Item 3 and Item 4. Quality Control: Reagent blanks, positive controls and negative controls were incorporated throughout analysis and all gave intended results. NM = Non-Male Profile.
FT4QGQ	STRmix analysis was conducted on this test. The data reported out in this test is from analysis using Genemapper ID-X. NR=no results
FTMUPQ	STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X for PowerPlex Fusion and GlobalFiler Express. NR = no results. Known reference sample data is reported using GlobalFiler Express chemistry. Questioned sample data is reported using PowerPlex Fusion chemistry. Items 1, 2, 3 and 4 were analyzed using PowerPlex Fusion 5C. Items 2 and 3 were analyzed using Yfiler Plus. Items 1, 2, 3 and 4 were analyzed using GlobalFiler Express on RapidHIT ID. Items 1 and 2 used an ACE sample cartridge. Items 3 and 4 used an INTELPlus cartridge.

TABLE 5

WebCode	Additional Comments
GPHLXL	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 2 was also extracted using chelex extraction method for Yfiler analysis. Item 3 and Item 4 were extracted using QIASymphony DNA Investigator KIT via QIASymphony SP. Quantification: Item 2, Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2 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 represent non-male profile.
GUXUQR	Test participant functions as a Y-screen analyst. Interpretations not reported.
GZ4MKM	STRmix analysis was conducted on this test.
JU7YZL	Samples tested using Rapid DNA.
MA67HJ	NR = No results. STRmix analysis was conducted on this test. Data reported out is from analysis using GeneMapper ID-X.
NAMAUP	NR = No Results. No comparisons performed.
NFU3KE	Extraction: Item 1 and Item 2 were extracted using in situ method. Item 2 was also extracted using Chelex method for Y-STR analysis. Item 3 and Item 4 were extracted using Qiasymphony DNA Investigator Kit via Qiasymphony SP Platform. Quantification: Item 2, Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using Applied Biosystems Globalfiler Express PCR Amplification Kit on Proflex PCR System. Item 3 and Item 4 were amplified using Applied Biosystems Globalfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2 and Item 3 were amplified using AmpFISTR Y-Filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis was carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2 and Item 3 (Y-Filer). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM: Non-male profile.
NLYQMG	Samples were tested with Rapid DNA.
P2RRTL	NR= No Results
P8DXBE	Samples were tested using Rapid DNA.
PWWXVK	NR = No Result
Q8AKJC	Y-STR analysis was not performed on Item 4 because no male DNA was detected using Quantifiler Trio.
QJ27ML	NR = No result. No comparisons performed.
RBQ42L	NR = no results.
TQBGPC	-NR = No results. -STRmix analysis was conducted on this test. -The data reported out in this test is from analysis using GeneMapper ID-X for PowerPlex Fusion and/or GlobalFiler Express. -PowerPlex Fusion, Yfiler Plus, and GlobalFiler Express utilized for Items 3 and 2. -PowerPlex Fusion and GlobalFiler Express utilized for Items 4 and 1. -RapidINTEL Plus sample cartridges used for Items 3 and 4 -RapidHIT ID ACE GlobalFiler Express sample cartridges used for Items 1 and 2.
URPZDF	NR = No results
UTWHCB	Y-STR analysis was not performed on Item 1 or Item 4 because no male DNA was detected using Quantifiler Trio.
UXVWWF	NR = No Results

TABLE 5

WebCode	Additional Comments
X2GVWE	Only performed Y-chromosome testing using YFiler Plus.
X7DCDF	NR = No Results
X8MNRB	NR = No DNA Results
XGXQCB	NR = No DNA Result

-End of Report-
(Appendix may follow)

Collaborative Testing Services ~ Forensic Testing Program

Test No. 26-5803: DNA-Blood

DATA MUST BE SUBMITTED BY **June 22, 2026, 11:59 p.m. EDT** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: JBFP3Q

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 homicide involving a female victim and male suspect. The victim's body was found in the locker room of a local fitness center. The suspect is the victim's ex-boyfriend who was seen leaving the building just before the body was discovered. Police are submitting to your laboratory a stain from a towel (Item 3) found near the victim's body and a stain from the shirt (Item 4) the suspect was wearing at the time of his arrest. Screening tests have been performed on both samples with the following results: Item 3 (locker room towel) indicated the presence of blood, and Item 4 (suspect's shirt) also indicated the presence of blood. Also collected were known blood samples from the female victim (Item 1) and the male suspect (Item 2).

Items Submitted (Sample Pack S3):

Item 1: Known blood from the female victim

Item 2: Known blood from the male suspect

Item 3: Questioned blood stain from locker room towel (pink)

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

Part I: DNA Results for Known Item 1

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

STR Amplification Kit(s) Used:

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

☐ Identifiler®

☐ GlobalFiler™

☐ Investigator® 24plex

☐ PowerPlex®

Other

Report the Probabilistic Genotyping Software Used (if applicable):

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

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

- 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.

[illegible]

Part II: DNA INTERPRETATION

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

Victim (Item 1)			Suspect (Item 2)		
	Item 3	Item 4		Item 3	Item 4
Yes	☐	☐	Yes	☐	☐
No	☐	☐	No	☐	☐
Inconclusive	☐	☐	Inconclusive	☐	☐
No Interpretation	☐	☐	No Interpretation	☐	☐

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

Part III: ADDITIONAL COMMENTS

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

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

RELEASE OF DATA TO ACCREDITATION BODIES

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

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

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

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

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

ANAB Certificate No.

A2LA Certificate No.

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

Authorized Contact Person and Title

Laboratory Name

Location (City/State)