



DNA-Blood Test No. 25-5805

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 227 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	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	Female	Victim
4	Questioned	Yellow Fabric	Blood	50 µL	Male	Additional Male

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	15,15	19,23	11,11	16,16	11,12	12,15
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	NM	NM	NM	NM	
2	15,17.3	24,25	11,14	16,17	11,12	13,20
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11,11
	14,16	11	19	19	2	
3	15,15	19,23	11,11	16,16	11,12	12,15
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	NM	NM	NM	NM	
4	13,18.3	17,18	11,15	15,19	11,13	*
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18	2	

YSTR Results

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

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
2	35,37	14	11,14	13	30	24	11	13	13
	15	12	13	19	31	14	18	10	22
	38	12	13	19	19	23	24	10	12
4	37,39	15	15,16	13	29	25	10	12	15
	15	10	11	20	28	14	16	11	25
	44	11	11	17	18	19	19	11	11

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

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

Summary Comments

This test was designed to allow participants to assess their proficiency in the analysis and comparison of dried stains, where participants are advised of the body fluid(s) present in the questioned stains. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Item 1 and Item 3 were created using blood from the same female donor. Item 2 was created using blood from a male donor. Item 4 was created using blood from a male donor whose known standard was not provided. Refer to the Manufacturer's Information for preparation details.

Data were returned by 227 participants.

DNA Analysis

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

For YSTR results, all participants reported consistent results.

DNA Interpretations

Of the 227 participants that returned DNA results, 200 reported DNA interpretations for both questioned stains.

Twenty-two participants stated the samples were analyzed for database purposes only and five participants selected the "No Interpretation" option for one or more conclusions.

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

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

23RQ8L	GlobalFiler™ Express					
	15	19,23	11	16	11,12	
1	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	NR			NR	
276NGT	PowerPlex® Fusion6C					
	15	19,23	11	16	11,12	
1	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
29T374	GlobalFiler™					
	15,15	19,23	11,11	16,16	11,12	
1	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
2CEMB8	PowerPlex® Fusion 5C					
	15,15	19,23	11,11	16,16	11,12	
1	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17					
2CU47Z	GlobalFiler™					
	15	19,23	11	16	11,12	
1	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
2DNRRV	PowerPlex® Fusion 6C					
	15	19,23	11	16	11,12	
1	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					

TABLE 1

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

Item 1 - STR Results

2FC7D7	PowerPlex® Fusion 6C Direct					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	NR	NR	NR		
2MDH93	GlobalFiler™					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
2MF8DZ	PowerPlex® Fusion 6C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
2MXLYB	Investigator® 24plex QS, FlexPlex27					
1	15	19,23	11	16	11,12	12,15
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	n/a	5,11	21,25.2	7,9.3	8,11
	15,17	n/a	n/a	n/a	n/a	
2QDU63	GlobalFiler™					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
2UYDA8	PowerPlex® Fusion					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17					
2ZK9BB	GlobalFiler™					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					

TABLE 1

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

Item 1 - STR Results

32UD9R	PowerPlex® Fusion 5C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	No Results				
3A8PGQ	GlobalFiler™					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	--	--	21,25.2	7,9.3	8,11
	15,17	--	--	--	--	
3JVXBL	PowerPlex® Fusion 5C, MiniFiler, RapidHIT Ace					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	No Results			No Results	
3R4CLU	PowerPlex® Fusion 6C					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
3TJ239	GlobalFiler™ Express					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X,X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	NM			NM	
3YND28	GlobalFiler™ (STRmix)					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
47G6M7	GlobalFiler™ (STRmix)					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					

TABLE 1

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

Item 1 - STR Results

4BA8TR	GlobalFiler™					
		15	19,23	11	16	11,12
1		9,12	15,17	13,14	18	14
		12,18	13,14	29,30	15,16	X
		21,22.2			21,25.2	7,9.3
		15,17				8,11
4EWLG2	PowerPlex® Fusion 6C					
		15,15	19,23	11,11	16,16	11,12
1		9,12	15,17	13,14	18,18	14,14
		12,18	13,14	29,30	15,16	XX
		21,22.2	8,10	5,11	21,25.2	7,9.3
		15,17	NR	NR	NR	
4J9YG9	GlobalFiler™ Express					
		15	19,23	11	16	11,12
1		9,12	15,17	13,14	18	14
		12,18	13,14	29,30	15,16	XX
		21,22.2			21,25.2	7,9.3
		15,17	NM			NM
4NLAEP	GlobalFiler™					
		15,15	19,23	11,11	16,16	11,12
1		9,12	15,17	13,14	18,18	14,14
		12,18	13,14	29,30	15,16	XX
		21,22.2	--	--	21,25.2	7,9.3
		15,17	--	--	--	--
4RJV7R	PowerPlex® ESX17 FAST system					
		15,15	19,23	11,11	16,16	
1			15,17	13,14	18,18	11,13
		12,18	13,14	29,30	15,16	XX
		21,22.2			21,25.2	7,9.3
		15,17				
4U7AU2	PowerPlex® Fusion 6C					
		15,15	19,23	11,11	16,16	11,12
1		9,12	15,17	13,14	18,18	14,14
		12,18	13,14	29,30	15,16	XX
		21,22.2	8,10	5,11	21,25.2	7,9.3
		15,17	NR	NR	NR	
692BLT	PowerPlex® Fusion 6C					
		15	19,23	11	16	11,12
1		9,12	15,17	13,14	18	14
		12,18	13,14	29,30	15,16	X
		21,22.2	8,10	5,11	21,25.2	7,9.3
		15,17				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 1 - STR Results

6DKNVP	PowerPlex® Fusion 6C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	No Results	No Results	No Results		
6GE62V	PowerPlex® Fusion 5C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17					
6RGMCY	GlobalFiler™					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
6RWA49	GlobalFiler™ Express					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
6T8EFB	NGM Select					
1	16	19,23	11	16		
		15,17	13,14	18		11,13
	12,18	13,14	29,30	15,16	X	
	21,22.2			21,25.2	7,9.3	
	15,17					
6VCG9E	PowerPlex® 21					
1	15,15	19,23		16,16	11,12	12,15
	9,12	15,17		18,18	14,14	11,13
	12,18	13,14	29,30		X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17					
72WY42	PowerPlex® Fusion 5C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17					

TABLE 1

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

Item 1 - STR Results

74ALAN	PowerPlex® Fusion 6C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	No Results	No Results	No Results		
76K9EN	PowerPlex® Fusion 6C					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
7ADXQ9	GlobalFiler™ (STRmix)					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
7DC9M9	GlobalFiler™ (STRmix)					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
7M2EMD	PowerPlex® 21					
1	15,15	19,23		16,16	11,12	12,15
	9,12	15,17		18,18	14,14	11,13
	12,18	13,14	29,30		X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17					
7MFY9W	PowerPlex® Fusion 6C					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
7NDRDN	GlobalFiler™ Express					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					

TABLE 1

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

Item 1 - STR Results

7PRTL	RapidHIT ACE					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	No Results			No Results	
7QKUA8	Investigator® 24plex GO!, Flexplex 27					
1	15,15	19,23	11,11	16,16	11,12	12,15
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2		5,11	21,25.2	7,9.3	8,11
	15,17					
8LN3LN	PowerPlex® Fusion 6C					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
8QDAXN	GlobalFiler™					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
9LU8BV	PowerPlex® Fusion 6C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	NR	NR	NR		
9VKPQP	PowerPlex® Fusion 6C					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
9YPNDY	GlobalFiler™					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					

TABLE 1

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

Item 1 - STR Results

9ZY7J3	GlobalFiler™ (STRmix)				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
ADJ6MA	GlobalFiler™				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	XX
	21,22.2			21,25.2	7,9.3
	15,17				8,11
AEV8T3	GlobalFiler™ Express				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	XX
	21,22.2			21,25.2	7,9.3
	15,17	NM			NM
AJ7TLL	GlobalFiler™				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
AKHRGV	PowerPlex® Fusion 6C				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	XX
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17	NR	NR	NR	
ALDAHW	PowerPlex® Fusion 6C				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	XX
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17	NR	NR	NR	
AM4CLY	GlobalFiler™				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				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 1 - STR Results

ANED8X	PowerPlex® Fusion					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	N/D				
ANYGX7	RapidINTEL Plus					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
ANYUNZ	GlobalFiler™ (STRmix)					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
AR3MJK	PowerPlex® Fusion 6C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
AURCBK	PowerPlex® Fusion 5C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	No Results				
AVGT9L	GlobalFiler™ Express					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X,X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	NM			NM	
AWYU9F	GlobalFiler™					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	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

B4NLNR	PowerPlex® Fusion 6C				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11
BBAEYR	GlobalFiler™				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
BDUW7X	PowerPlex® Fusion				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11		7,9.3
	15,17	NR			8,11
BE9TMG	GlobalFiler™				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	XX
	21,22.2			21,25.2	7,9.3
	15,17	--			8,11
BHUDRK	GlobalFiler™				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
BJPVUL	PowerPlex® Fusion 6C				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11
BKZZ6P	GlobalFiler™				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				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

BM4VNT	GlobalFiler™					
	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
BW9J2Y	GlobalFiler™ (STRmix)					
	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
BWTY3F	PowerPlex® Fusion 6C					
	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	No Results	No Results	No Results		
C2FQGU	PowerPlex® Fusion 6C					
	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	NR	NR	NR		
C6JUKW	GlobalFiler™ Express					
	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	NR			NR	
C6XTNY	GlobalFiler™ (STRmix)					
	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
C7VN3H	GlobalFiler™ Express					
	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	NR			NR	

TABLE 1

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

Item 1 - STR Results

C9XP6Z	PowerPlex® Fusion 6C, GlobalFiler™ Express				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11
CRDNPB	PowerPlex® Fusion 6C				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17	No Results	No Results	No Results	8,11
DEN9YG	PowerPlex® Fusion 5C				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2	8,10	5,11		7,9.3
	15,17	No Results			8,11
DLKNFF	PowerPlex® F6C				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11
DPKZBF	PowerPlex® Fusion 6C				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11
DQ2BKE	RapidHIT ACE				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17	No Results		No Results	8,11
DUBALE	GlobalFiler™				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17				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 1 - STR Results

DYA6F8	PowerPlex® Fusion 5C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17					
E4EE3G	GlobalFiler™ Express					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X,X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	NM			NM	
EG7DZQ	PowerPlex® Fusion 6C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	NR	NR	NR		
EGQGQZ	GlobalFiler™ (STRmix)					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
EHWE4U	PowerPlex® Fusion 5C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	ND				
EQVGED	PowerPlex® fusion					
1	NR	NR	NR	NR	NR	
	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR
	NR	NR	NR		NR	NR
	NR	NR				
F3FXCH	PowerPlex® Fusion 6C					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					

TABLE 1

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

Item 1 - STR Results

F4VMTW	GlobalFiler™					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
FA3QLW	GlobalFiler™					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
FV2JKT	PowerPlex® Fusion					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	NR				
GCK8GM	PowerPlex® Fusion 6C					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
GCMXLJ	PowerPlex® Fusion 5C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	-	-	-	-	
GDZ9A9	RapidHIT ACE cartridge					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	No Results			No Results	
GDZU9W	Investigator® 24plex QS					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					

TABLE 1

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

Item 1 - STR Results

GEQVUQ	PowerPlex® Fusion				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2	8,10	5,11	N/A	7,9.3
	15,17	None Detected	N/A	N/A	N/A
GHU38A	RapidHIT ACE				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17	No Results			No Results
GJJWV6	GlobalFiler™				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17				
GPNTJC	PowerPlex® Fusion 6C				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				
GU7VQG	PowerPlex® Fusion 6C				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				
GYV6C	PowerPlex® Fusion 6C				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				
H6FFEP	PowerPlex® Fusion				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11		7,9.3
	15,17	NR			

TABLE 1

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

Item 1 - STR Results

H8N3Y3	PowerPlex® 21				
1	15,15	19,23		16,16	11,12
	9,12	15,17		18,18	14,14
	12,18	13,14	29,30		X,X
	21,22.2	8,10	5,11		7,9.3
	15,17				
HBNEWM	PowerPlex® Fusion 6C				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17	NR	NR	NR	
HK2L76	RapidHIT ID System ACE cartridge				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17	No Results		No Results	
HNF7YY	GlobalFiler™ Express				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17				
HQWT7D	GlobalFiler™				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				
HRBUZJ	GlobalFiler™				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				
HTQQRJ	GlobalFiler™ Express				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17	No Result		No Result	

TABLE 1

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

Item 1 - STR Results

J4KRHT	GlobalFiler™					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
J8HBJQ	GlobalFiler™ (STRmix)					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
J9ZZ8D	GlobalFiler™ Express					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X,X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
JDPEWK	PowerPlex® Fusion 6C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	ND	ND	ND		
JFBJ6H	PowerPlex® Fusion 6C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
JLX9PR	GlobalFiler™ (STRMIX)					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
JPXKKR	GlobalFiler™ (STRmix)					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					

TABLE 1

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

Item 1 - STR Results

JVNUUP	GlobalFiler™					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
JXTKYJ	GlobalFiler™					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	XX	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
KKNLQD	PowerPlex® Fusion 6C					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
KYNQBQ	GlobalFiler™ Express					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	XX	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	NM			NM	
L4Y6EN	PowerPlex® Fusion 5C					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	NR				
L7GHWQ	GlobalFiler™ Express					
1	15,15	19,23	11,11	16,16	11,12	-
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	XX	10,10
	21,22.2	-	-	21,25.2	7,9.3	8,11
	15,17	-	-	-	-	
LBCPL7	GlobalFiler™					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	XX	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					

TABLE 1

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

Item 1 - STR Results

LB4K4V	PowerPlex® Fusion 6C (LRmix Studio)					
1	15,15	19,23	11,11	16,16	11,12	---
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	---	---	---	---	
LD8M68	PowerPlex® FUSION 6C (Genemapper® ID-X, version 1.5)					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
LF7JJ9	PowerPlex® Fusion 5C					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	na				
LXQAJ8	GlobalFiler™					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	--			--	
M3G7GW	PowerPlex® 21					
1	15,15	19,23		16,16	11,12	12,15
	9,12	15,17		18,18	14,14	11,13
	12,18	13,14	29,30		X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17					
M4C444	GlobalFiler™					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	No Results			No Results	
M88D4C	PowerPlex® Fusion 6C					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					

TABLE 1

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

Item 1 - STR Results

MDYMDA PowerPlex® Fusion 6C

1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					

MEX9B4 Investigator® 24plex QS

1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	No Results				

MJPC68 Investigator® 24plex QS

1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	No Results				

MLB2V7 PowerPlex® Fusion 6C

1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					

MPR43B PowerPlex® Fusion 6C

1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					

MQ2DTM GlobalFiler™ (STRmix)

1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					

MQRNZ4 PowerPlex® Fusion 5C

1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	No Results				

TABLE 1

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

Item 1 - STR Results

MX4Q7R	GlobalFiler™ (STRmix)				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
MYGXCM	GlobalFiler™ (STRmix)				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
MZCFEN	GlobalFiler™ (STRmix)				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
MZRCR2	Investigator® 24plex QS				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
N3TPV8	PowerPlex® Fusion				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11		7,9.3
	15,17	NR			8,11
NNRQTN	GlobalFiler™ (STRmix v2.7)				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
NQLUU4	PowerPlex® Fusion 5C				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2	8,10	5,11		7,9.3
	15,17				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

NT9T2E	GlobalFiler™				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
NTLMGE	PowerPlex® Fusion 6C				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11
NTNCLC	GlobalFiler™ Express				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17	no results			8,11
NWMNHC	GlobalFiler™ Express				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	no results	no results	21,25.2	7,9.3
	15,17	no results	no results	no results	8,11
P6VHAJ	GlobalFiler™				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
PAAX3V	PowerPlex® 21				
1	15,15	19,23		16,16	11,12
	9,12	15,17		18,18	14,14
	12,18	13,14	29,30		X,X
	21,22.2	8,10	5,11		7,9.3
	15,17				8,11
PD786P	GlobalFiler™ (STRMix)				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17				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

PFGN8M GlobalFiler™						
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
PG9AT7 GlobalFiler™						
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
PGQQV8 PowerPlex® FUSION 6C						
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
PL7JGY PowerPlex® Fusion 5C						
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	XX	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17					
PNAMQN GlobalFiler™						
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	XX	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	0			0	
PRRL6J PowerPlex® Fusion						
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	NR				
QC7TTG PowerPlex® Fusion						
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	NR				

TABLE 1

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

Item 1 - STR Results

QCANN2	GlobalFiler™				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
R72JB9	GlobalFiler™				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
RCPAVH	PowerPlex® 35GY (STRMix)				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11
REAGV6	PowerPlex® Fusion 6C				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11
RPE48C	PowerPlex® Fusion 6C				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11
RV6VQY	PowerPlex® Fusion 6C				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17	No Results	No Results	No Results	8,11
RY4URH	GlobalFiler™ (STRmix)				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				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 1 - STR Results

RY6ECK	GlobalFiler™					
	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
T49D4G	GlobalFiler™ (STRmix)					
	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
T9JQ4M	GlobalFiler™					
	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
TAFGGA	GlobalFiler™					
	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
TAHQJZ	PowerPlex® Fusion 6C					
	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
TBRDNZ	GlobalFiler™ Express					
	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
TE99JJ	Investigator® 24plex QS					
	15,15	19,23	11,11	16,16	11,12	N/A
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	N/A	N/A	21,25.2	7,9.3	8,11
	15,17	N/A	N/A	N/A	N/A	

TABLE 1

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

Item 1 - STR Results

TETJ37		PowerPlex® Fusion 6C				
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
TKYKEF		GlobalFiler™ Express				
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	NR			NR	
U2XUHP		PowerPlex® 21				
1	15,15	19,23		16,16	11,12	12,15
	9,12	15,17		18,18	14,14	11,13
	12,18	13,14	29,30		X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17					
U3HQJX		GlobalFiler™				
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	No Results			No Results	
U8R42W		Investigator® 24plex QS				
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	No Results				
UABGVZ		PowerPlex® Fusion 6C				
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
UDAX79		PowerPlex® Fusion 6C				
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					

TABLE 1

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

Item 1 - STR Results

UFENB3	PowerPlex® Fusion 6C					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
UFJ692	GlobalFiler™ Express					
1	15,15	19,23	11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	XX	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
UH7JXC	PowerPlex® Fusion 6C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	XX	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	NR	NR	NR		
UJ23YD	PowerPlex® Fusion 6C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	XX	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	NR	NR	NR		
UJGNBZ	PowerPlex® F6C					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
UP3GKE	PowerPlex® Fusion					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	XX	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	ND				
UUY3E3	PowerPlex® Fusion 6C					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					

TABLE 1

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

Item 1 - STR Results

UWMG3C PowerPlex® Fusion 6C

1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	NR	NR	NR		

UXYEA3 PowerPlex® Fusion 6C

1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					

VB4WJG GlobalFiler™

1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					

VDTFWT PowerPlex® Fusion 5C

1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	No results				

VF2TEV GlobalFiler™

1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	No Results			No Results	

VGREYD PowerPlex® Fusion

1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	ND				

VRNMHF GlobalFiler™

1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					

TABLE 1

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

Item 1 - STR Results

VTGYBH	GlobalFiler™					
	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
VUGC3W	GlobalFiler™					
	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	--	--	21,25.2	7,9.3	8,11
	15,17	--	--	--	--	
VXJRK	GlobalFiler™					
	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	No Results			No Results	
W2RVY2	PowerPlex® Fusion 6C					
	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
WA2NR9	PowerPlex® Fusion 6C					
	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	NR	NR	NR		
WCGZ4T	GlobalFiler™					
	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
WN3QHC	PowerPlex® Fusion					
	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	NR				

TABLE 1

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

Item 1 - STR Results

WN9PYR	PowerPlex® Fusion 6C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	No Results	No Results	No Results		
WT2CJ8	GlobalFiler™					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
WT4G7P	Identifiler® PLUS					
1		19,23		16,16	11,12	
	9,12	15,17			14,14	11,13
	12,18	13,14	29,30		X,X	10,10
	21,22.2				7,9.3	8,11
	15,17					
WXBRRV	GlobalFiler™					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	--			--	
WY2G4J	RapidINTEL Plus					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
X2QM79	PowerPlex® Fusion 6C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	NR	NR	NR		
X3GBFA	PowerPlex® Fusion					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	NR				

TABLE 1

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

Item 1 - STR Results

X3LKRU	PowerPlex® Fusion 5C					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	No Results				
X8DA3Y	GlobalFiler™ Express					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X,X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
XALMKZ	PowerPlex® Fusion 6C					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
XTDP22	Investigator® 24plex QS					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
XTGL3F	Investigator® 24plex QS					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	N/A				
XY39HX	GlobalFiler™ Express					
1	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
Y64KDV	PowerPlex® F6C					
1	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					

TABLE 1

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

Item 1 - STR Results

Y67YFG	GlobalFiler™				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
Y7HNVL	GlobalFiler™				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17	NR			NR
YC6YWB	GlobalFiler™ (STRmix)				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
YJZNBD	GlobalFiler™ Express				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
Z2KEAD	Investigator® 24plex QS, Flexplex 27 Rapid				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	XX
	21,22.2		5,11	21,25.2	7,9.3
	15,17				8,11
ZAC6LK	RapidHIT ID System ACE cartridge				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	XX
	21,22.2			21,25.2	7,9.3
	15,17	No Results			No Results
ZBN26B	GlobalFiler™ (STRmix)				
1	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				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

ZGT33K	PowerPlex® 21				
1	15,15	19,23		16,16	11,12
	9,12	15,17		18,18	14,14
	12,18	13,14	29,30		X,X
	21,22.2	8,10	5,11		7,9.3
	15,17				
ZJ679C	Investigator® 24plex QS				
1	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2	N/A	N/A	21,25.2	7,9.3
	15,17	N/A	N/A	N/A	N/A

TABLE 1

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

Item 2 - STR Results

23RQ8L	GlobalFiler™ Express				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
276NGT	PowerPlex® Fusion6C				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
29T374	GlobalFiler™				
	15,17.3	24,25	11,14	16,17	11,12
2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
2CEMB8	PowerPlex® Fusion 5C				
	15,17.3	24,25	11,14	16,17	11,12
2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16		7,9.3
	14,16	11			
2CU47Z	GlobalFiler™				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
2DNRRV	PowerPlex® Fusion 6C				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
2FC7D7	PowerPlex® Fusion 6C Direct				
	15,17.3	24,25	11,14	16,17	11,12
2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	

TABLE 1

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

2MDH93	GlobalFiler™					
		15,17.3	24,25	11,14	16,17	11,12
2		12,12	12,16	13,14	17,24	12,12
		17,18	13,14	28,29	15,16	X,Y
		18,21			25.2,27.2	7,9.3
		14,16	11			2
2MF8DZ	PowerPlex® Fusion 6C					
		15,17.3	24,25	11,14	16,17	11,12
2		12,12	12,16	13,14	17,24	12,12
		17,18	13,14	28,29	15,16	X,Y
		18,21	10,13	10,16	25.2,27.2	7,9.3
		14,16	11	19	19	
2MXLYB	Investigator® 24plex QS					
		15,17.3	24,25	11,14	16,17	11,12
2		12	12,16	13,14	17,24	12
		17,18	13,14	28,29	15,16	X,Y
		18,21	n/a	n/a	25.2,27.2	7,9.3
		14,16	11	n/a	n/a	n/a
2QDU63	GlobalFiler™					
		15,17.3	24,25	11,14	16,17	11,12
2		12,12	12,16	13,14	17,24	12,12
		17,18	13,14	28,29	15,16	X,Y
		18,21			25.2,27.2	7,9.3
		14,16	11			2
2UYDA8	PowerPlex® Fusion					
		15,17.3	24,25	11,14	16,17	11,12
2		12,12	12,16	13,14	17,24	12,12
		17,18	13,14	28,29	15,16	X,Y
		18,21	10,13	10,16		7,9.3
		14,16	11			
2ZK9BB	GlobalFiler™					
		15,17.3	24,25	11,14	16,17	11,12
2		12	12,16	13,14	17,24	12
		17,18	13,14	28,29	15,16	X,Y
		18,21			25.2,27.2	7,9.3
		14,16	11			2
32UD9R	PowerPlex® Fusion 6C					
		15,17.3	24,25	11,14	16,17	11,12
2		12,12	12,16	13,14	17,24	12,12
		17,18	13,14	28,29	15,16	X,Y
		18,21	10,13	10,16	25.2,27.2	7,9.3
		14,16	11	19	19	

TABLE 1

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

3A8PGQ	GlobalFiler™					
		15,17.3	24,25	11,14	16,17	11,12
2		12,12	12,16	13,14	17,24	12,12
		17,18	13,14	28,29	15,16	X,Y
		18,21	--	--	25.2,27.2	7,9.3
		14,16	11	--	--	2
3JVXBL	PowerPlex® Fusion 5C, Investigator® 24plex QS, MiniFiler					
		15,17.3	24,25	11,14	16,17	11,12
2		12,12	12,16	13,14	17,24	12,12
		17,18	13,14	28,29	15,16	X,Y
		18,21	10,13	10,16	25.2,27.2	7,9.3
		14,16	11			
3R4CLU	PowerPlex® Fusion 6C					
		15,17.3	24,25	11,14	16,17	11,12
2		12	12,16	13,14	17,24	12
		17,18	13,14	28,29	15,16	X,Y
		18,21	10,13	10,16	25.2,27.2	7,9.3
		14,16	11	19	19	
3TJ239	GlobalFiler™ Express					
		15,17.3	24,25	11,14	16,17	11,12
2		12	12,16	13,14	17,24	12
		17,18	13,14	28,29	15,16	X,Y
		18,21			25.2,27.2	7,9.3
		14,16	11			2
3YND28	GlobalFiler™ (STRmix)					
		15,17.3	24,25	11,14	16,17	11,12
2		12	12,16	13,14	17,24	12
		17,18	13,14	28,29	15,16	X,Y
		18,21			25.2,27.2	7,9.3
		14,16	11			2
47G6M7	GlobalFiler™ (STRmix)					
		15,17.3	24,25	11,14	16,17	11,12
2		12	12,16	13,14	17,24	12
		17,18	13,14	28,29	15,16	X,Y
		18,21			25.2,27.2	7,9.3
		14,16	11			2
4BA8TR	GlobalFiler™					
		15,17.3	24,25	11,14	16,17	11,12
2		12	12,16	13,14	17,24	12
		17,18	13,14	28,29	15,16	X,Y
		18,21			25.2,27.2	7,9.3
		14,16	11			2

TABLE 1

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

Item 2 - STR Results

4EWLG2	PowerPlex® Fusion 6C				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
4J9YG9	GlobalFiler™ Express				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			11
4NLAEP	GlobalFiler™				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	--	--	25.2,27.2	7,9.3
	14,16	11	--	--	2
4RJV7R	PowerPlex® ESX17 FAST system				
2	15,17.3	24,25	11,14	16,17	
		12,16	13,14	17,24	9,11
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16				
4U7AU2	PowerPlex® Fusion 6C				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
692BLT	PowerPlex® Fusion 6C				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
6DKNVP	PowerPlex® Fusion 5C				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16		7,9.3
	14,16	11			11,11

TABLE 1

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

Item 2 - STR Results

6GE62V	PowerPlex® Fusion 5C					
2	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16		7,9.3	11,11
	14,16	11				
6RGMCY	GlobalFiler™					
2	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	
6RWA49	GlobalFiler™ Express					
2	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	
6T8EFB	NGM Select					
2	15,17.3	24,25	11	16,17		
		12,16	13,14	17,24		9,11
	17,18	13,14	28,29	15,16	X,Y	
	18,21			25.2,27.2	7,9.3	
	14,16					
6VCG9E	PowerPlex® 21					
2	15,17.3	24,25		16,17	11,12	13,20
	12,12	12,16		17,24	12,12	9,11
	17,18	13,14	28,29		X,Y	11,13
	18,21	10,13	10,16		7,9.3	11,11
	14,16					
72WY42	PowerPlex® Fusion 5C					
2	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16		7,9.3	11,11
	14,16	11				
74ALAN	PowerPlex® Fusion 6C					
2	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11,11
	14,16	11	19	19		

TABLE 1

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

Item 2 - STR Results

76K9EN	PowerPlex® Fusion 6C					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		
7ADXQ9	GlobalFiler™ (STRmix)					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
7DC9M9	GlobalFiler™ (STRmix)					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
7M2EMD	PowerPlex® 21					
	15,17.3	24,25		16,17	11,12	13,20
2	12,12	12,16		17,24	12,12	9,11
	17,18	13,14	28,29		X,Y	11,13
	18,21	10,13	10,16		7,9.3	11,11
	14,16					
7MFY9W	PowerPlex® Fusion 6C					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		
7NDRDN	GlobalFiler™ Express					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
7PRTLK	RapidHIT ACE					
	15,17.3	24,25	11,14	16,17	11,12	
2	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	

TABLE 1

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

Item 2 - STR Results

7QKUA8	Investigator® 24plex GO!, Flexplex 27				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21		10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
8LN3LN	PowerPlex® Fusion 6C				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
8QDAXN	GlobalFiler™				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
9LU8BV	PowerPlex® Fusion 6C				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
9VKPQP	PowerPlex® Fusion 6C				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
9YPNDY	GlobalFiler™				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
9ZY7J3	GlobalFiler™ (STRmix)				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2

TABLE 1

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

Item 2 - STR Results

ADJ6MA	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
2	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	
AEV8T3	GlobalFiler™ Express					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
AJ7TLL	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
AKHRGV	PowerPlex® Fusion 6C					
	15,17.3	24,25	11,14	16,17	11,12	
2	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11,11
	14,16	11	19	19		
ALDAHW	PowerPlex® Fusion 6C					
	15,17.3	24,25	11,14	16,17	11,12	
2	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11,11
	14,16	11	19	19		
AM4CLY	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
ANED8X	PowerPlex® Fusion					
	15,17.3	24,25	11,14	16,17	11,12	
2	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16		7,9.3	11,11
	14,16	11				

TABLE 1

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

Item 2 - STR Results

ANYGX7	RapidINTEL Plus					
2	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	
ANYUNZ	GlobalFiler™ (STRmix)					
2	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
AR3MJK	PowerPlex® Fusion 6C					
2	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11,11
	14,16	11	19	19		
AURCBK	PowerPlex® Fusion 5C					
2	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16		7,9.3	11,11
	14,16	11				
AVGT9L	GlobalFiler™ Express					
2	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
AWYU9F	GlobalFiler™					
2	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	
B4NLNR	PowerPlex® Fusion 6C					
2	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		

TABLE 1

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

BBAEYR	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
BDUW7X	PowerPlex® Fusion					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16		7,9.3	11
	14,16	11				
BE9TMG	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
2	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	
BHUDRK	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
BJPVUL	PowerPlex® Fusion 6C					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		
BKZZ6P	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
BM4VNT	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
2	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	

TABLE 1

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

Item 2 - STR Results

BW9J2Y	GlobalFiler™ (STRmix)					
	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
BWTY3F	PowerPlex® Fusion 6C					
	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11,11
	14,16	11	19	19		
C2FQGU	PowerPlex® Fusion 6C					
	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11,11
	14,16	11	19	19		
C6JUKW	GlobalFiler™ Express					
	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
C6XTNY	GlobalFiler™ (STRmix)					
	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
C7VN3H	GlobalFiler™ Express					
	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
C9XP6Z	PowerPlex® Fusion 6C					
	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		

TABLE 1

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

CRDNPB	GlobalFiler™				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
DEN9YG	PowerPlex® Fusion 5C				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16		7,9.3
	14,16	11			
DLKNFF	PowerPlex® F6C				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
DPKZBF	PowerPlex® Fusion 6C				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
DQ2BKE	Investigator® 24plex QS				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			
DUBALE	GlobalFiler™				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
DYA6F8	PowerPlex® Fusion 5C				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16		7,9.3
	14,16	11			

TABLE 1

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

Item 2 - STR Results

E4EE3G	GlobalFiler™ Express				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
EG7DZQ	PowerPlex® Fusion 6C				
	15,17.3	24,25	11,14	16,17	11,12
2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
EGQGQZ	GlobalFiler™ (STRmix)				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
EHWE4U	PowerPlex® Fusion 5C				
	15,17.3	24,25	11,14	16,17	11,12
2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16		7,9.3
	14,16	11			
EQVGED	PowerPlex® fusion				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16		7,9.3
	14,16	11			
F3FXCH	PowerPlex® Fusion 6C				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
F4VMTW	GlobalFiler™				
	15,17.3	24,25	11,14	16,17	11,12
2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2

TABLE 1

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

Item 2 - STR Results

FA3QLW	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
FV2JKT	14,16	11			2	
	PowerPlex® Fusion					
	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
GCK8GM	18,21	10,13	10,16		7,9.3	11
	14,16	11				
	PowerPlex® Fusion 6C					
	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
GCMXLJ	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		
	PowerPlex® Fusion 5C					
	15,17.3	24,25	11,14	16,17	11,12	
GDZ9A9	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16		7,9.3	11,11
	14,16	11	-	-	-	
	GlobalFiler™					
GDZ9A9	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	
GDZU9W	Investigator® 24plex QS					
	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
GEQVUQ	14,16	11				
	PowerPlex® Fusion					
	15,17.3	24,25	11,14	16,17	11,12	N/A
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	N/A	7,9.3	11,11
	14,16	11	N/A	N/A	N/A	

TABLE 1

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

Item 2 - STR Results

GHU38A	Investigator® 24plex QS					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12,12	12,16	13,14	17,24	12,12 9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11				
GJJWV6	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12,12	12,16	13,14	17,24	12,12 9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	
GPNTJC	PowerPlex® Fusion 6C					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12	12,16	13,14	17,24	12 9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		
GU7VQG	PowerPlex® Fusion 6C					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12	12,16	13,14	17,24	12 9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		
GYV6C	PowerPlex® Fusion 6C					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12	12,16	13,14	17,24	12 9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		
H6FFEP	PowerPlex® Fusion					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12	12,16	13,14	17,24	12 9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16		7,9.3	11
	14,16	11				
H8N3Y3	PowerPlex® 21					
	15,17.3	24,25		16,17	11,12	13,20
	2	12,12	12,16	17,24	12,12	9,11
	17,18	13,14	28,29		X,Y	11,13
	18,21	10,13	10,16		7,9.3	11,11
	14,16					

TABLE 1

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

Item 2 - STR Results

HBNEW	PowerPlex® Fusion 6C					
2	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11,11
	14,16	11	19	19		
HK2L76	RapidHIT ID System ACE cartridge					
2	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	
HNF7YY	GlobalFiler™ Express					
2	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
HQWT7D	GlobalFiler™					
2	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
HRBUZJ	GlobalFiler™					
2	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
HTQQRJ	GlobalFiler™ Express					
2	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
J4KRHT	GlobalFiler™					
2	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	

TABLE 1

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

Item 2 - STR Results

J8HBJQ	GlobalFiler™ (STRmix)				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
J9ZZ8D	GlobalFiler™ Express				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
JDPEWK	PowerPlex® Fusion 6C				
	15,17.3	24,25	11,14	16,17	11,12
2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
JFBJ6H	PowerPlex® Fusion 6C				
	15,17.3	24,25	11,14	16,17	11,12
2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
JLX9PR	GlobalFiler™ (STRMIX)				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
JPXKKR	GlobalFiler™ (STRmix)				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
JVNUUP	GlobalFiler™				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2

TABLE 1

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

Item 2 - STR Results

JXTKYJ	GlobalFiler™					
		15,17.3	24,25	11,14	16,17	11,12
2		12,12	12,16	13,14	17,24	12,12
		17,18	13,14	28,29	15,16	X,Y
		18,21			25.2,27.2	7,9.3
		14,16	11			11,11
						2
KKNLQD	PowerPlex® Fusion 6C					
		15,17.3	24,25	11,14	16,17	11,12
2		12	12,16	13,14	17,24	12
		17,18	13,14	28,29	15,16	X,Y
		18,21	10,13	10,16	25.2,27.2	7,9.3
		14,16	11	19	19	11
KYNQBQ	GlobalFiler™ Express					
		15,17.3	24,25	11,14	16,17	11,12
2		12	12,16	13,14	17,24	12
		17,18	13,14	28,29	15,16	X,Y
		18,21			25.2,27.2	7,9.3
		14,16	11			11
						2
L4Y6EN	PowerPlex® Fusion 5C					
		15,17.3	24,25	11,14	16,17	11,12
2		12	12,16	13,14	17,24	12
		17,18	13,14	28,29	15,16	X,Y
		18,21	10,13	10,16		7,9.3
		14,16	11			11
L7GHWQ	GlobalFiler™ Express					
		15,17.3	24,25	11,14	16,17	11,12
2		12,12	12,16	13,14	17,24	12,12
		17,18	13,14	28,29	15,16	X,Y
		18,21	-	-	25.2,27.2	7,9.3
		14,16	11	-	-	11,11
						2
LBCPL7	GlobalFiler™					
		15,17.3	24,25	11,14	16,17	11,12
2		12,12	12,16	13,14	17,24	12,12
		17,18	13,14	28,29	15,16	X,Y
		18,21			25.2,27.2	7,9.3
		14,16	11			11,11
						2
LBYK4V	PowerPlex® Fusion 6C (LRmix Studio)					
		15,17.3	24,25	11,14	16,17	11,12
2		12,12	12,16	13,14	17,24	12,12
		17,18	13,14	28,29	15,16	X,Y
		18,21	10,13	10,16	25.2,27.2	7,9.3
		14,16	11	19	19	11,11

TABLE 1

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

Item 2 - STR Results

LD8M68	PowerPlex® FUSION 6C (Genemapper® ID-X, version 1.5)					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		
LF7JJ9	PowerPlex® Fusion 5C					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16		7,9.3	11
	14,16	11				
LXQAJ8	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
2	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	
M3G7GW	PowerPlex® 21					
	15,17.3	24,25		16,17	11,12	13,20
2	12,12	12,16		17,24	12,12	9,11
	17,18	13,14	28,29		X,Y	11,13
	18,21	10,13	10,16		7,9.3	11,11
	14,16					
M4C444	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
2	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	
M88D4C	PowerPlex® Fusion 6C					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		
MDYMDA	PowerPlex® Fusion 6C					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		

TABLE 1

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

MEX9B4	Investigator® 24plex QS					
	15,17.3	24,25	11,14	16,17	11,12	
2	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11				
MJPC68	Investigator® 24plex QS					
	15,17.3	24,25	11,14	16,17	11,12	
2	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11				
MLB2V7	PowerPlex® Fusion 6C					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		
MPR43B	PowerPlex® Fusion 6C					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		
MQ2DTM	GlobalFiler™ (STRmix)					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
MQRNZ4	PowerPlex® Fusion 5C					
	15,17.3	24,25	11,14	16,17	11,12	
2	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16		7,9.3	11,11
	14,16	11				
MX4Q7R	GlobalFiler™ (STRmix)					
	15,17.3	24,25	11,14	16,17	11,12	
2	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	

TABLE 1

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

Item 2 - STR Results

MYGXCM	GlobalFiler™ (STRmix)				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
MZCFEN	GlobalFiler™ (STRmix)				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
MZRRCR2	PowerPlex® Fusion 6C				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
N3TPV8	PowerPlex® Fusion				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16		7,9.3
	14,16	11			11
NNRQTN	GlobalFiler™ (STRmix v 2.7)				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
NQLUU4	PowerPlex® Fusion 5C				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16		7,9.3
	14,16	11			11,11
NT9T2E	GlobalFiler™				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2

TABLE 1

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

Item 2 - STR Results

NTLMGE	PowerPlex® Fusion 6C					
2	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		
NTNCLC	GlobalFiler™ Express					
2	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
NWMNHC	GlobalFiler™ Express					
2	15,17.3	24,25	11,14	16,17	11,12	no results
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	no results	no results	25.2,27.2	7,9.3	11
	14,16	11	no results	no results	2	
P6VHAJ	GlobalFiler™					
2	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
PAAX3V	PowerPlex® 21					
2	15,17.3	24,25		16,17	11,12	13,20
	12,12	12,16		17,24	12,12	9,11
	17,18	13,14	28,29		X,Y	11,13
	18,21	10,13	10,16		7,9.3	11,11
	14,16					
PD786P	GlobalFiler™ (STRMix)					
2	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
PFGN8M	GlobalFiler™					
2	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	

TABLE 1

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

Item 2 - STR Results

PG9AT7	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
PGQQV8	PowerPlex® FUSION 6C					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		
PL7JGY	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	
PNAMQN	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	
PRRL6J	PowerPlex® Fusion					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16		7,9.3	11
	14,16	11				
QC7TTG	PowerPlex® Fusion					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16		7,9.3	11
	14,16	11				
QCANN2	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	

TABLE 1

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

Item 2 - STR Results

R72JB9	GlobalFiler™				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
RCPAVH	PowerPlex® 35GY (STRMix)				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16				11
REAGV6	PowerPlex® Fusion 6C				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	11
RPE48C	PowerPlex® Fusion 6C				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	11
RV6VQY	PowerPlex® Fusion 6C				
	15,17.3	24,25	11,14	16,17	11,12
2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	11,11
RY4URH	GlobalFiler™ (STRmix)				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
RY6ECK	GlobalFiler™				
	15,17.3	24,25	11,14	16,17	11,12
2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2

TABLE 1

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

Item 2 - STR Results

T49D4G	GlobalFiler™ (STRmix)				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
T9JQ4M	GlobalFiler™				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
TAFGGA	GlobalFiler™				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
TAHQJZ	PowerPlex® Fusion 6C				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
TBRDNZ	GlobalFiler™ Express				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
TE99JJ	Investigator® 24plex QS, FLEXPlex 27				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	N/A	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	N/A
TETJ37	PowerPlex® Fusion 6C				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	

TABLE 1

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

TKYKEF	GlobalFiler™ Express					
2	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
U2XUHP	PowerPlex® 21					
2	15,17.3	24,25		16,17	11,12	13,20
	12,12	12,16		17,24	12,12	9,11
	17,18	13,14	28,29		X,Y	11,13
	18,21	10,13	10,16		7,9.3	11,11
	14,16					
U3HQJX	GlobalFiler™					
2	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,[18]	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	
U8R42W	Investigator® 24plex QS					
2	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11				
UABGVZ	PowerPlex® Fusion 6C					
2	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		
UDAX79	PowerPlex® Fusion 6C					
2	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		
UFENB3	PowerPlex® Fusion 6C					
2	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		

TABLE 1

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

UFJ692	GlobalFiler™ Express				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
UH7JXC	PowerPlex® Fusion 6C				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
UJ23YD	PowerPlex® Fusion 6C				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
UJGNBZ	PowerPlex® F6C				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
UP3GKE	PowerPlex® Fusion				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16		7,9.3
	14,16	11			
UUY3E3	PowerPlex® Fusion 6C				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
UWMG3C	PowerPlex® Fusion 6C				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	

TABLE 1

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

UXYEA3	PowerPlex® Fusion 6C					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		
VB4WJG	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	
VDTFWT	PowerPlex® Fusion 5C					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16		7,9.3	11,11
	14,16	11				
VF2TEV	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	
VGREYD	PowerPlex® Fusion					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16		7,9.3	11,11
	14,16	11				
VRNMHF	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11
	14,16	11			2	
VTGYBH	GlobalFiler™					
	15,17.3	24,25	11,14	16,17	11,12	
	2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	

TABLE 1

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

Item 2 - STR Results

VUGC3W	GlobalFiler™					
2	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	--	--	25.2,27.2	7,9.3	11,11
	14,16	11	--	--	2	
VXJRT	GlobalFiler™					
2	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11			2	
W2RVY2	PowerPlex® Fusion 6C					
2	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11
	14,16	11	19	19		
WA2NR9	PowerPlex® Fusion 6C					
2	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16	25.2,27.2	7,9.3	11,11
	14,16	11	19	19		
WCGZ4T	PowerPlex® Fusion 5C					
2	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16		7,9.3	11,11
	14,16	11				
WN3QHC	PowerPlex® Fusion					
2	15,17.3	24,25	11,14	16,17	11,12	
	12	12,16	13,14	17,24	12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	10,13	10,16		7,9.3	11
	14,16	11				
WN9PYR	Investigator® 24plex QS, Minifiler					
2	15,17.3	24,25	11,14	16,17	11,12	
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21			25.2,27.2	7,9.3	11,11
	14,16	11				

TABLE 1

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

Item 2 - STR Results

WT2CJ8	GlobalFiler™					
		15,17.3	24,25	11,14	16,17	11,12
2		12,12	12,16	13,14	17,24	12,12
		17,18	13,14	28,29	15,16	X,Y
		18,21			25.2,27.2	7,9.3
		14,16	11			11,11
						2
WT4G7P	Identifiler® PLUS					
			24,25		16,17	11,12
2		12,12	12,16			12,12
		17,18	13,14	28,29		X,Y
		18,21				7,9.3
		14,16				11,11
WXBRRV	GlobalFiler™					
		15,17.3	24,25	11,14	16,17	11,12
2		12,12	12,16	13,14	17,24	12,12
		17,18	13,14	28,29	15,16	X,Y
		18,21			25.2,27.2	7,9.3
		14,16	11			11,11
						2
WY2G4J	RapidINTEL Plus					
		15,17.3	24,25	11,14	16,17	11,12
2		12,12	12,16	13,14	17,24	12,12
		17,18	13,14	28,29	15,16	X,Y
		18,21			25.2,27.2	7,9.3
		14,16	11			11,11
						2
X2QM79	PowerPlex® Fusion 6C					
		15,17.3	24,25	11,14	16,17	11,12
2		12,12	12,16	13,14	17,24	12,12
		17,18	13,14	28,29	15,16	X,Y
		18,21	10,13	10,16	25.2,27.2	7,9.3
		14,16	11	19	19	11,11
X3GBFA	PowerPlex® Fusion					
		15,17.3	24,25	11,14	16,17	11,12
2		12	12,16	13,14	17,24	12
		17,18	13,14	28,29	15,16	X,Y
		18,21	10,13	10,16		7,9.3
		14,16	11			11
X3LKRU	PowerPlex® Fusion 5C					
		15,17.3	24,25	11,14	16,17	11,12
2		12,12	12,16	13,14	17,24	12,12
		17,18	13,14	28,29	15,16	X,Y
		18,21	10,13	10,16		7,9.3
		14,16	11			11,11

TABLE 1

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

Item 2 - STR Results

X8DA3Y	GlobalFiler™ Express				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
XALMKZ	PowerPlex® Fusion 6C				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
XTDP22	Investigator® 24plex QS				
	15,17.3	24,25	11,14	16,17	11,12
2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			11,11
XTGL3F	Investigator® 24plex QS				
	15,17.3	24,25	11,14	16,17	11,12
2	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			11,11
XY39HX	GlobalFiler™ Express				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
Y64KDV	PowerPlex® F6C				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21	10,13	10,16	25.2,27.2	7,9.3
	14,16	11	19	19	
Y67YFG	GlobalFiler™				
	15,17.3	24,25	11,14	16,17	11,12
2	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2

TABLE 1

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

Item 2 - STR Results

Y7HNVL	GlobalFiler™				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
YC6YWB	GlobalFiler™ (STRmix)				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
YJZNBD	GlobalFiler™ Express				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			2
Z2KEAD	Investigator® 24plex QS				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			11,11
ZAC6LK	Investigator® 24plex QS				
2	15,17.3	24,25	11,14	16,17	11,12
	12,12	12,16	13,14	17,24	12,12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			11,11
ZBN26B	GlobalFiler™ (STRmix)				
2	15,17.3	24,25	11,14	16,17	11,12
	12	12,16	13,14	17,24	12
	17,18	13,14	28,29	15,16	X,Y
	18,21			25.2,27.2	7,9.3
	14,16	11			11
ZGT33K	PowerPlex® 21				
2	15,17.3	24,25		16,17	11,12
	12,12	12,16		17,24	12,12
	17,18	13,14	28,29		X,Y
	18,21	10,13	10,16		7,9.3
	14,16				13,20

TABLE 1

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

ZJ679C	Investigator® 24plex GO!, Flexplex27TM					
2	15,17.3	24,25	11,14	16,17	11,12	13,20
	12,12	12,16	13,14	17,24	12,12	9,11
	17,18	13,14	28,29	15,16	X,Y	11,13
	18,21	N/A	10,16	25.2,27.2	7,9.3	11,11
	14,16	11	19	19	N/A	

TABLE 1

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

Item 3 - STR Results

23RQ8L	GlobalFiler™				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17	NR			NR
276NGT	PowerPlex® Fusion6C				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				
29T374	GlobalFiler™				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	XX
	21,22.2			21,25.2	7,9.3
	15,17				
2CEMB8	PowerPlex® Fusion 5C				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	XX
	21,22.2	8,10	5,11		7,9.3
	15,17				
2CU47Z	GlobalFiler™ (STRmix)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				
2DNRNV	PowerPlex® Fusion 6C				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				
2MDH93	GlobalFiler™				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	XX
	21,22.2			21,25.2	7,9.3
	15,17				

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

2MF8DZ	PowerPlex® Fusion 6C (STRmix)					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
2MXLYB	Investigator® 24plex QS, FlexPlex27					
3	15	19,23	11	16	11,12	12,15
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	n/a	5,11	21,25.2	7,9.3	8,11
	15,17	n/a	n/a	n/a	n/a	
2QDU63	GlobalFiler™					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
2UYDA8	PowerPlex® Fusion					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17					
2ZK9BB	GlobalFiler™ (STRmix)					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
32UD9R	Investigator® 24plex QS					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	No Results				
3A8PGQ	GlobalFiler™					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	--	--	21,25.2	7,9.3	8,11
	15,17	--	--	--	--	

TABLE 1

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

Item 3 - STR Results

3R4CLU	PowerPlex® Fusion 6C				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				
3TJ239	GlobalFiler™				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	XX
	21,22.2			21,25.2	7,9.3
	15,17	NM			NM
3YND28	GlobalFiler™ (STRmix)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				
47G6M7	GlobalFiler™ (STRmix)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				
4BA8TR	GlobalFiler™				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				
4EWLG2	PowerPlex® Fusion 6C (STRmix V2.5.11)				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	XX
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17	NR	NR	NR	
4J9YG9	GlobalFiler™				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	XX
	21,22.2			21,25.2	7,9.3
	15,17	NM			NM

TABLE 1

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

Item 3 - STR Results

4NLAEP	GlobalFiler™				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2	--	--	21,25.2	7,9.3
	15,17	--	--	--	--
4RJV7R	PowerPlex® ESX17 FAST system				
3	15,15	19,23	11,11	16,16	
		15,17	13,14	18,18	11,13
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17				
4U7AU2	PowerPlex® Fusion 6C (STRmix)				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17	NR	NR	NR	
692BLT	PowerPlex® Fusion 6C				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				
6DKNVP	GlobalFiler™				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17	No Results		No Results	
6GE62V	PowerPlex® Fusion 5C				
3	16	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2	8,10	5,11		7,9.3
	15,17				
6RGMCY	GlobalFiler™				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17				

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

6RWA49	GlobalFiler™					
		15,15	19,23	11,11	16,16	11,12
3		9,12	15,17	13,14	18,18	14,14 11,13
		12,18	13,14	29,30	15,16	X,X 10,10
		21,22.2		21,25.2	7,9.3	8,11
		15,17	F,F		F,F	
6T8EFB	NGM Select					
		15	19,23	11	16	
3		9,12	15,17	13,14	18	11,13
		12,18	13,14	29,30	15,16	X
		21,22.2		21,25.2	7,9.3	
		15,17				
6VCG9E	PowerPlex® 21 (STRmix)					
		15,15	19,23	16,16	11,12	12,15
3		9,12	15,17	18,18	14,14	11,13
		12,18	13,14	29,30	X,X	10,10
		21,22.2	8,10	5,11	7,9.3	8,11
		15,17				
72WY42	PowerPlex® Fusion 5C					
		15,15	19,23	11,11	16,16	11,12
3		9,12	15,17	13,14	18,18	14,14 11,13
		12,18	13,14	29,30	15,16	X,X 10,10
		21,22.2	8,10	5,11	7,9.3	8,11
		15,17				
74ALAN	Investigator® 24plex QS					
		15,15	19,23	11,11	16,16	11,12
3		9,12	15,17	13,14	18,18	14,14 11,13
		12,18	13,14	29,30	15,16	X,X 10,10
		21,22.2		21,25.2	7,9.3	8,11
		15,17	No Results			
76K9EN	PowerPlex® Fusion 6C					
		15	19,23	11	16	11,12
3		9,12	15,17	13,14	18	14 11,13
		12,18	13,14	29,30	15,16	X 10
		21,22.2	8,10	5,11	21,25.2	7,9.3 8,11
		15,17				
7ADXQ9	GlobalFiler™ (STRmix)					
		15	19,23	11	16	11,12
3		9,12	15,17	13,14	18	14 11,13
		12,18	13,14	29,30	15,16	X 10
		21,22.2		21,25.2	7,9.3	8,11
		15,17				

TABLE 1

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

Item 3 - STR Results

7DC9M9	GlobalFiler™ (STRmix)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
7M2EMD	PowerPlex® 21 (STRmix V2.8.0)				
3	15,15	19,23		16,16	11,12
	9,12	15,17		18,18	14,14
	12,18	13,14	29,30		X,X
	21,22.2	8,10	5,11		7,9.3
	15,17				8,11
7MFY9W	PowerPlex® Fusion 6C (STRmix)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11
7NDRDN	GlobalFiler™				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
7QKUA8	Investigator® 24plex QS, Flexplex				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2		5,11	21,25.2	7,9.3
	15,17				8,11
8LN3LN	PowerPlex® Fusion 6C				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11
8QDAXN	GlobalFiler™				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				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 3 - STR Results

9LU8BV	PowerPlex® Fusion 6C (STRmix)					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	NR	NR	NR		
9VKPQP	PowerPlex® Fusion 6C					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
9YPNDY	GlobalFiler™					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
9ZY7J3	GlobalFiler™ (STRmix)					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
ADJ6MA	GlobalFiler™					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
AEV8T3	GlobalFiler™					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X,X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	NM			NM	
AJ7TLL	GlobalFiler™					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					

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

AKHRGV	PowerPlex® Fusion 6C (STRmix v2.5.11)					
	15,15	19,23	11,11	16,16	11,12	
	3	9,12	15,17	13,14	18,18	14,14 11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	NR	NR	NR		
ALDAHW	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	15,15	19,23	11,11	16,16	11,12	
	3	9,12	15,17	13,14	18,18	14,14 11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	NR	NR	NR		
AM4CLY	GlobalFiler™					
	15	19,23	11	16	11,12	
	3	9,12	15,17	13,14	18	14 11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
ANED8X	PowerPlex® Fusion					
	15,15	19,23	11,11	16,16	11,12	
	3	9,12	15,17	13,14	18,18	14,14 11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	N/D				
ANYGX7	RapidINTEL Plus					
	15,15	19,23	11,11	16,16	11,12	
	3	9,12	15,17	13,14	18,18	14,14 11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
ANYUNZ	GlobalFiler™ (STRmix)					
	15	19,23	11	16	11,12	
	3	9,12	15,17	13,14	18	14 11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
AR3MJK	PowerPlex® Fusion 6C					
	15,15	19,23	11,11	16,16	11,12	
	3	9,12	15,17	13,14	18,18	14,14 11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					

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

AURCBK	GlobalFiler™					
	15,15	19,23	11,11	16,16	11,12	
	3 9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	No Results			No Results	
AVGT9L	GlobalFiler™					
	15	19,23	11	16	11,12	
	3 9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X,X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	NM			NM	
AWYU9F	PowerPlex® Fusion 6C					
	15,15	19,23	11,11	16,16	11,12	
	3 9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	No Results	No Results	No Results		
B4NLNR	PowerPlex® Fusion 6C (STRmix)					
	15	19,23	11	16	11,12	
	3 9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
BBAEYR	GlobalFiler™					
	15	19,23	11	16	11,12	
	3 9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
BDUW7X	PowerPlex® Fusion					
	15	19,23	11	16	11,12	
	3 9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	NR				
BE9TMG	GlobalFiler™					
	15,15	19,23	11,11	16,16	11,12	
	3 9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	--			--	

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

BHUDRK	GlobalFiler™					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
BJPVUL	PowerPlex® Fusion 6C					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
BKZZ6P	GlobalFiler™ (STRmix v.2.11)					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
BM4VNT	GlobalFiler™					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	XX	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
BW9J2Y	GlobalFiler™ (STRmix)					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
BWY3F	GlobalFiler™					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	XX	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	No Results			No Results	
C2FQGU	PowerPlex® Fusion 6C (STRmix)					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	XX	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	NR	NR	NR		

TABLE 1

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

Item 3 - STR Results

C6JUKW	PowerPlex® Fusion					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	NR				
C6XTNY	GlobalFiler™ (STRmix)					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
C7VN3H	PowerPlex® Fusion					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	NR				
C9XP6Z	PowerPlex® Fusion 6C (STRmix v2.9)					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
DEN9YG	GlobalFiler™ (STRmix V2.5.11)					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	XX	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	No Results			No Results	
DLKNFF	PowerPlex® F6C					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
DPKZBF	PowerPlex® Fusion 6C					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					

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

DQ2BKE	PowerPlex® Fusion 5C					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	No Results				
DUBALE	GlobalFiler™					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
DYA6F8	Investigator® 24plex QS					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
E4EE3G	GlobalFiler™					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X,X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	NM				NM
EGQGQZ	GlobalFiler™ (STRmix)					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
EHWE4U	PowerPlex® Fusion 5C					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	ND				
EQVGED	PowerPlex® Fusion					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	NR				

TABLE 1

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

Item 3 - STR Results

F3FXCH	PowerPlex® Fusion 6C					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
F4VMTW	GlobalFiler™					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	XX	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
FA3QLW	GlobalFiler™ (STRmix)					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
FV2JKT	PowerPlex® Fusion					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	NR				
GCK8GM	PowerPlex® Fusion 6C (STRmix)					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
GCMXLJ	PowerPlex® Fusion 5C					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	XX	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	-	-	-	-	
GDZ9A9	PowerPlex® Fusion 5C					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	XX	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	No Results				

TABLE 1

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

Item 3 - STR Results

GDZU9W	Investigator® 24plex QS				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
GEQVUQ	PowerPlex® Fusion				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2	8,10	5,11	N/A	7,9.3
	15,17	None Detected	N/A	N/A	N/A
GHU38A	PowerPlex® Fusion 5C (STRmix v2.5.11)				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2	8,10	5,11		7,9.3
	15,17	No Results			8,11
GJJWV6	GlobalFiler™				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
GPNTJC	PowerPlex® Fusion 6C				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11
GU7VQG	PowerPlex® Fusion 6C				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11
GYV6C	PowerPlex® Fusion 6C				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11

TABLE 1

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

Item 3 - STR Results

H6FFEP	PowerPlex® Fusion				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11		7,9.3
	15,17	NR			8,11
H8N3Y3	PowerPlex® 21 (STRmix)				
3	15,15	19,23		16,16	11,12
	9,12	15,17		18,18	14,14
	12,18	13,14	29,30		X,X
	21,22.2	8,10	5,11		7,9.3
	15,17				8,11
HBNEWM	PowerPlex® Fusion 6C (STRmix)				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17	NR	NR	NR	8,11
HNF7YY	GlobalFiler™				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
HQWT7D	GlobalFiler™				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
HRBUZJ	GlobalFiler™ (STRmix)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
HTQQRJ	GlobalFiler™ Express				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17	No Result			No Result

TABLE 1

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

Item 3 - STR Results

J4KRHT	GlobalFiler™					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
J8HBJQ	GlobalFiler™ (STRmix)					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
JDPEWK	PowerPlex® Fusion 6C					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	ND	ND	ND		
JFBJ6H	PowerPlex® Fusion 6C (STRmix)					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
JLX9PR	GlobalFiler™ (STRMIX)					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
JPXKKR	GlobalFiler™ (STRmix)					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
JVNUUP	GlobalFiler™ (STRmix)					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					

TABLE 1

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

Item 3 - STR Results

JXTKYJ	GlobalFiler™					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
KKNLQD	PowerPlex® Fusion 6C					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
KYNQBQ	GlobalFiler™					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X,X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	NM			NM	
L4Y6EN	PowerPlex® Fusion 5C					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	NR				
L7GHWQ	GlobalFiler™					
3	15	19,23	11	16	11,12	-
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	-	-	21,25.2	7,9.3	8,11
	15,17	-	-	-	-	
LBCPL7	GlobalFiler™					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
LBK4V	PowerPlex® Fusion 6C (LRmix Studio)					
3	15,15	19,23	11,11	16,16	11,12	----
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	----	----	----	----	

TABLE 1

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

Item 3 - STR Results

LD8M68	PowerPlex® FUSION 6C (Genemapper ID-X, version 1.5)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11
LF7JJ9	PowerPlex® Fusion 5C				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11		7,9.3
	15,17	na			8,11
LXQAJ8	GlobalFiler™				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17	--		--	8,11
M3G7GW	PowerPlex® 21 (STRmix)				
3	15,15	19,23		16,16	11,12
	9,12	15,17		18,18	14,14
	12,18	13,14	29,30		X,X
	21,22.2	8,10	5,11		7,9.3
	15,17				8,11
M4C444	PowerPlex® Fusion 5C				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2	8,10	5,11		7,9.3
	15,17	No Results			8,11
M88D4C	PowerPlex® Fusion 6C				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11
MDYMDA	PowerPlex® Fusion 6C				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				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 3 - STR Results

MEX9B4	PowerPlex® Fusion 5C					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	No Results				
MJPC68	PowerPlex® Fusion 6C (STRmix v2.5.11)					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,[13]
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	No Results	No Results	No Results		
MLB2V7	PowerPlex® Fusion 6C					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
MPR43B	PowerPlex® Fusion 6C					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
MQ2DTM	GlobalFiler™ (STRmix)					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
MQRNZ4	GlobalFiler™					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	No Results			No Results	
MX4Q7R	GlobalFiler™ (STRmix)					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					

TABLE 1

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

Item 3 - STR Results

MYGXCM	GlobalFiler™ (STRmix)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
MZCFEN	GlobalFiler™ (STRmix)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
N3TPV8	PowerPlex® Fusion				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11		7,9.3
	15,17	NR			8,11
NNRQTN	GlobalFiler™ (STRmix v2.7)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
NQLUU4	GlobalFiler™				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	XX
	21,22.2			21,25.2	7,9.3
	15,17				8,11
NT9T2E	GlobalFiler™ (STRmix)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
NTLMGE	PowerPlex® Fusion 6C (STRmix)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11

TABLE 1

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

Item 3 - STR Results

NTNCLC	GlobalFiler™ Express					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	no results			no results	
NWMNHC	GlobalFiler™ Express					
3	15	19,23	11	16	11,12	no results
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	no results	no results	21,25.2	7,9.3	8,11
	15,17	no results	no results	no results	no results	
P6VHAJ	GlobalFiler™ (STRmix)					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
PAAX3V	PowerPlex® 21					
3	15,15	19,23		16,16	11,12	12,15
	9,12	15,17		18,18	14,14	11,13
	12,18	13,14	29,30		X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17					
PD786P	GlobalFiler™ (STRMix)					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X,X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
PFGN8M	GlobalFiler™					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
PG9AT7	GlobalFiler™					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					

TABLE 1

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

Item 3 - STR Results

PGQQV8 PowerPlex® FUSION 6C

3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11

PNAMQN GlobalFiler™

3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17	0			8,11

PRRL6J PowerPlex® Fusion

3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11		7,9.3
	15,17	NR			8,11

QC7TTG PowerPlex® Fusion

3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11		7,9.3
	15,17	NR			8,11

QCANN2 GlobalFiler™

3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17				8,11

RCPAVH PowerPlex® 35GY (STRMix)

3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11

REAGV6 PowerPlex® Fusion 6C

3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11

TABLE 1

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

Item 3 - STR Results

RPE48C	PowerPlex® Fusion 6C (STRmix)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				
RV6VQY	GlobalFiler™ (STRmix)				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17	No Results			No Results
RY4URH	GlobalFiler™ (STRmix)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				
RY6ECK	GlobalFiler™				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17				
T49D4G	GlobalFiler™ (STRmix)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				
T9JQ4M	GlobalFiler™ (STRmix)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				
TAFGGA	GlobalFiler™ (STRmix)				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17				

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

TAHQJZ	PowerPlex® Fusion 6C					
	15,15	19,23	11,11	16,16	11,12	
	3 9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
TE99JJ	Investigator® 24plex QS, FLEXPlex27					
	15,15	19,23	11,11	16,16	11,12	12,15
	3 9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	N/A	5,11	21,25.2	7,9.3	8,11
	15,17	N/A	N/A	N/A	N/A	
TETJ37	PowerPlex® Fusion 6C					
	15	19,23	11	16	11,12	
	3 9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
TKYKEF	PowerPlex® Fusion					
	15	19,23	11	16	11,12	
	3 9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	NR				
U2XUHP	PowerPlex® 21 (STRmix)					
	15,15	19,23		16,16	11,12	12,15
	3 9,12	15,17		18,18	14,14	11,13
	12,18	13,14	29,30		X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17					
U3HQJX	GlobalFiler™					
	15,15	19,23	11,11	16,16	11,12	
	3 9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	No Results			No Results	
U8R42W	PowerPlex® Fusion 6C (STRmix)					
	15,15	19,23	11,11	16,16	11,12	
	3 9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	No Results	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 3 - STR Results

UABGVZ	PowerPlex® Fusion 6C (STRmix 2.6.1)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				
UDAX79	PowerPlex® Fusion 6C (STRmix)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				
UFENB3	PowerPlex® Fusion 6C				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				
UH7JXC	PowerPlex® Fusion 6C (STRmix)				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	XX
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17	NR	NR	NR	
UJGNBZ	PowerPlex® F6C				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				
UP3GKE	PowerPlex® Fusion				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	XX
	21,22.2	8,10	5,11		7,9.3
	15,17	ND			
UUY3E3	PowerPlex® Fusion 6C				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				

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

UWMG3C	PowerPlex® Fusion 6C (STRmix)					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	NR	NR	NR		
UXYEA3	PowerPlex® Fusion 6C					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
VB4WJG	GlobalFiler™					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
VDTFWT	GlobalFiler™					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17	No results			No results	
VF2TEV	PowerPlex® Fusion 5C (STRmix)					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	No Results				
VGREYD	PowerPlex® Fusion					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	ND				
VRNMHF	GlobalFiler™ (STRmix)					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					

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

VTGYBH	GlobalFiler™					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					
VUGC3W	GlobalFiler™					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	--	--	21,25.2	7,9.3	8,11
	15,17	--	--	--	--	
VXJRT	PowerPlex® Fusion 5C					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	No Results				
W2RVY2	PowerPlex® Fusion 6C					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17					
WA2NR9	PowerPlex® Fusion 6C (STRmix)					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2	8,10	5,11	21,25.2	7,9.3	8,11
	15,17	NR	NR	NR		
WN3QHC	PowerPlex® Fusion					
3	15	19,23	11	16	11,12	
	9,12	15,17	13,14	18	14	11,13
	12,18	13,14	29,30	15,16	X	10
	21,22.2	8,10	5,11		7,9.3	8,11
	15,17	NR				
WT2CJ8	GlobalFiler™					
3	15,15	19,23	11,11	16,16	11,12	
	9,12	15,17	13,14	18,18	14,14	11,13
	12,18	13,14	29,30	15,16	X,X	10,10
	21,22.2			21,25.2	7,9.3	8,11
	15,17					

TABLE 1

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

Item 3 - STR Results

WT4G7P	Identifiler® PLUS				
		19,23		16,16	11,12
3	9,12	15,17			14,14
	12,18	13,14	29,30		X,X
	21,22.2				7,9.3
	15,17				8,11
WXBRRV	GlobalFiler™				
	15,15	19,23	11,11	16,16	11,12
3	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17	--			--
WY2G4J	RapidINTEL Plus				
	15,15	19,23	11,11	16,16	11,12
3	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
X2QM79	PowerPlex® Fusion 6C (STRmix)				
	15,15	19,23	11,11	16,16	11,12
3	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17	NR	NR	NR	8,11
X3GBFA	PowerPlex® Fusion				
	15	19,23	11	16	11,12
3	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11		7,9.3
	15,17	NR			8,11
X3LKRU	GlobalFiler™ (STRmix V2.5.11)				
	15,15	19,23	11,11	16,16	11,12
3	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17	No Results			8,11
				No Results	
XALMKZ	PowerPlex® Fusion 6C				
	15	19,23	11	16	11,12
3	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11

TABLE 1

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

Item 3 - STR Results

XTDP22	Investigator® 24plex QS				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
XTGL3F	Investigator® 24plex QS				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2			21,25.2	7,9.3
	15,17	N/A			8,11
Y64KDV	PowerPlex® F6C				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11
Y67YFG	GlobalFiler™ (STRmix)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
Y7HNVL	GlobalFiler™				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17	NR			NR
YC6YWB	GlobalFiler™ (STRmix)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
YJZNBD	PowerPlex® Fusion 6C (STRmix 2.9)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17				8,11

TABLE 1

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

Item 3 - STR Results

Z2KEAD	Investigator® 24plex QS, Flexplex 27 Rapid				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2		INC	21,25.2	7,9.3
	15,17				8,11
ZAC6LK	PowerPlex® Fusion 6C				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2	8,10	5,11	21,25.2	7,9.3
	15,17	No Results	No Results	No Results	
ZBN26B	GlobalFiler™ (STRmix)				
3	15	19,23	11	16	11,12
	9,12	15,17	13,14	18	14
	12,18	13,14	29,30	15,16	X
	21,22.2			21,25.2	7,9.3
	15,17				8,11
ZGT33K	PowerPlex® 21				
3	15,15	19,23		16,16	11,12
	9,12	15,17		18,18	14,14
	12,18	13,14	29,30		X,X
	21,22.2	8,10	5,11		7,9.3
	15,17				12,15
ZJ679C	Investigator® 24plex QS				
3	15,15	19,23	11,11	16,16	11,12
	9,12	15,17	13,14	18,18	14,14
	12,18	13,14	29,30	15,16	X,X
	21,22.2	N/A	N/A	21,25.2	7,9.3
	15,17	N/A	N/A	N/A	N/A

TABLE 1

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

Item 4 - STR Results

23RQ8L	GlobalFiler™				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			2
276NGT	PowerPlex® Fusion6C				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	
29T374	GlobalFiler™				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			2
2CEMB8	PowerPlex® Fusion 5C				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25	11,12	7,11		7,8
	15,18	10			8,10
2CU47Z	GlobalFiler™ (STRmix)				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			2
2DNRRV	PowerPlex® Fusion 6C				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	
2MDH93	GlobalFiler™				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			2

TABLE 1

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

Item 4 - STR Results

2MF8DZ	PowerPlex® Fusion 6C				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	8,10
2MXLYB	Investigator® 24plex QS				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	n/a	n/a	27.2,30.2	7,8
	15,18	10	n/a	n/a	n/a
2QDU63	GlobalFiler™				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			2
2UYDA8	PowerPlex® Fusion				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25	11,12	7,11		7,8
	15,18	10			8,10
2ZK9BB	GlobalFiler™ (STRmix)				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			8,10
32UD9R	GlobalFiler™				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			8,10
3A8PGQ	GlobalFiler™				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25	--	--	27.2,30.2	7,8
	15,18	10	--	--	8,10
					2

TABLE 1

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

Item 4 - STR Results

3R4CLU	PowerPlex® Fusion 6C				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	8,10
3TJ239	GlobalFiler™				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			8,10
					2
3YND28	GlobalFiler™ (STRmix)				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			8,10
					2
47G6M7	GlobalFiler™ (STRmix)				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			8,10
					2
4BA8TR	GlobalFiler™				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			8,10
					2
4EWLG2	PowerPlex® Fusion 6C				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	8,10
4J9YG9	GlobalFiler™				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			8,10
					2

TABLE 1

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

Item 4 - STR Results

4NLAEP	GlobalFiler™					
		13,18.3	17,18	11,15	15,19	11,13
		--				
4		9,12	14,14	13,13	15,21	10,11
		12,15	14,14	28,29	15,16	X,Y
		23,25	--	--	27.2,30.2	7,8
		15,18	10	--	--	2
4RJV7R	PowerPlex® ESX17 FAST system					
		13,18.3	17,18	11,15	15,19	
		--				
4		9,12	14,14	13,13	15,21	10,11
		12,15	14,14	28,29	15,16	X,Y
		23,25			27.2,30.2	7,8
		15,18				
4U7AU2	PowerPlex® Fusion 6C					
		13,18.3	17,18	11,15	15,19	11,13
		--				
4		9,12	14,14	13,13	15,21	10,11
		12,15	14,14	28,29	15,16	X,Y
		23,25	11,12	7,11	27.2,30.2	7,8
		15,18	10	17	18	
692BLT	PowerPlex® Fusion 6C					
		13,18.3	17,18	11,15	15,19	11,13
		--				
4		9,12	14	13	15,21	10,11
		12,15	14	28,29	15,16	X,Y
		23,25	11,12	7,11	27.2,30.2	7,8
		15,18	10	17	18	
6DKNVP	Investigator® 24plex QS					
		13,18.3	17,18	11,15	15,19	11,13
		--				
4		9,12	14,14	13,13	15,21	10,11
		12,15	14,14	28,29	15,16	X,Y
		23,25			27.2,30.2	7,8
		15,18	10			
6GE62V	PowerPlex® Fusion 5C					
		13,18.3	17,18	11,15	15,19	11,13
		--				
4		9,12	14,14	13,13	15,21	10,11
		12,15	14,14	28,29	15,16	X,Y
		23,25	11,12	7,11		7,8
		15,18	10			
6RGMCY	GlobalFiler™					
		13,18.3	17,18	11,15	15,19	11,13
		--				
4		9,12	14,14	13,13	15,21	10,11
		12,15	14,14	28,29	15,16	X,Y
		23,25			27.2,30.2	7,8
		15,18	10			2

TABLE 1

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

Item 4 - STR Results

6RWA49	GlobalFiler™					
		13,18.3	17,18	11,15	15,19	11,13
4		9,12	14,14	13,13	15,21	10,11
		12,15	14,14	28,29	15,16	X,Y
		23,25		27.2,30.2	7,8	8,10
		15,18	10,F		2,F	
6T8EFB	NGM Select					
		13,18.3	17,18	11,15	15,19	
4			14	13	15,21	9,11
		12,15	14	28,29	15,16	X,Y
		23,25		27.2,30.2	7,8	
		15,18				
6VCG9E	PowerPlex® 21 (STRmix)					
		13,18.3	17,18	15,19	11,13	11,12
4		9,12	14,14	15,21	10,11	9,11
		12,15	14,14	28,29	X,Y	9,12
		23,25	11,12	7,11	7,8	8,10
		15,18				
72WY42	PowerPlex® Fusion 5C					
		13,18.3	17,18	11,15	15,19	11,13
4		9,12	14,14	13,13	15,21	10,11
		12,15	14,14	28,29	15,16	X,Y
		23,25	11,12	7,11	7,8	8,10
		15,18	10			
74ALAN	Investigator® 24plex QS					
		13,18.3	17,18	11,15	15,19	11,13
4		9,12	14,14	13,13	15,21	10,11
		12,15	14,14	28,29	15,16	X,Y
		23,25		27.2,30.2	7,8	8,10
		15,18	10			
76K9EN	PowerPlex® Fusion 6C					
		13,18.3	17,18	11,15	15,19	11,13
4		9,12	14	13	15,21	10,11
		12,15	14	28,29	15,16	X,Y
		23,25	11,12	7,11	27.2,30.2	7,8
		15,18	10	17	18	8,10
7ADXQ9	GlobalFiler™ (STRmix)					
		13,18.3	17,18	11,15	15,19	11,13
4		9,12	14	13	15,21	10,11
		12,15	14	28,29	15,16	X,Y
		23,25		27.2,30.2	7,8	8,10
		15,18	10		2	

TABLE 1

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

Item 4 - STR Results

7DC9M9	GlobalFiler™ (STRmix)				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			2
7M2EMD	PowerPlex® 21 (STRmix V2.8.0)				
	13,18.3	17,18		15,19	11,13
4	9,12	14,14		15,21	10,11
	12,15	14,14	28,29		X,Y
	23,25	11,12	7,11		7,8
	15,18				8,10
7MFY9W	PowerPlex® Fusion 6C (STRmix)				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	8,10
7NDRDN	GlobalFiler™				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			2
7QKUA8	Investigator® 24plex QS, Flexplex 27				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25		7,11	27.2,30.2	7,8
	15,18	10	17	18	8,10
8LN3LN	PowerPlex® Fusion 6C				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	8,10
8QDAXN	GlobalFiler™				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			2

TABLE 1

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

Item 4 - STR Results

9LU8BV	PowerPlex® Fusion 6C						
	13,18.3	17,18	11,15	15,19	11,13		
	4	9,12	14,14	13,13	15,21	10,11	9,11
		12,15	14,14	28,29	15,16	X,Y	9,12
		23,25	11,12	7,11	27.2,30.2	7,8	8,10
		15,18	10	17	18		
9VKPQP	PowerPlex® Fusion 6C						
	13,18.3	17,18	11,15	15,19	11,13		
	4	9,12	14	13	15,21	10,11	9,11
		12,15	14	28,29	15,16	X,Y	9,12
		23,25	11,12	7,11	27.2,30.2	7,8	8,10
		15,18	10	17	18		
9YPNDY	GlobalFiler™						
	13,18.3	17,18	11,15	15,19	11,13		
	4	9,12	14	13	15,21	10,11	9,11
		12,15	14	28,29	15,16	X,Y	9,12
		23,25			27.2,30.2	7,8	8,10
		15,18	10			2	
9ZY7J3	GlobalFiler™ (STRmix)						
	13,18.3	17,18	11,15	15,19	11,13		
	4	9,12	14	13	15,21	10,11	9,11
		12,15	14	28,29	15,16	X,Y	9,12
		23,25			27.2,30.2	7,8	8,10
		15,18	10			2	
ADJ6MA	GlobalFiler™						
	13,18.3	17,18	11,15	15,19	11,13		
	4	9,12	14,14	13,13	15,21	10,11	9,11
		12,15	14,14	28,29	15,16	X,Y	9,12
		23,25			27.2,30.2	7,8	8,10
		15,18	10			2	
AEV8T3	GlobalFiler™						
	13,18.3	17,18	11,15	15,19	11,13		
	4	9,12	14	13	15,21	10,11	9,11
		12,15	14	28,29	15,16	X,Y	9,12
		23,25			27.2,30.2	7,8	8,10
		15,18	10			2	
AJ7TLL	GlobalFiler™						
	13,18.3	17,18	11,15	15,19	11,13		
	4	9,12	14	13	15,21	10,11	9,11
		12,15	14	28,29	15,16	X,Y	9,12
		23,25			27.2,30.2	7,8	8,10
		15,18	10			2	

TABLE 1

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

Item 4 - STR Results

AKHRGV	PowerPlex® Fusion 6C					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14,14	13,13	15,21	10,11 9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		
ALDAHW	PowerPlex® Fusion 6C					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14,14	13,13	15,21	10,11 9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		
AM4CLY	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14	13	15,21	10,11 9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
ANED8X	PowerPlex® Fusion					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14,14	13,13	15,21	10,11 9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11		7,8	8,10
	15,18	10				
ANYGX7	RapidINTEL Plus					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14,14	13,13	15,21	10,11 9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
ANYUNZ	GlobalFiler™ (STRmix)					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14	13	15,21	10,11 9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
AR3MJK	PowerPlex® Fusion 6C					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14,14	13,13	15,21	10,11 9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	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

AURCBK	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14,14	13,13	15,21	10,11 9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
AVGT9L	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14	13	15,21	10,11 9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
AWYU9F	PowerPlex® Fusion 6C					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14,14	13,13	15,21	10,11 9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		
B4NLNR	PowerPlex® Fusion 6C (STRmix)					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14	13	15,21	10,11 9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		
BBAEYR	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14	13	15,21	10,11 9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
BDUW7X	PowerPlex® Fusion					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14	13	15,21	10,11 9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11		7,8	8,10
	15,18	10				
BE9TMG	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14,14	13,13	15,21	10,11 9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	

TABLE 1

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

Item 4 - STR Results

BHUDRK	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14	13	15,21	10,11
		12,15	14	28,29	15,16	X,Y
		23,25		27.2,30.2	7,8	8,10
		15,18	10		2	
BJPVUL	PowerPlex® Fusion 6C					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14	13	15,21	10,11
		12,15	14	28,29	15,16	X,Y
		23,25	11,12	7,11	27.2,30.2	7,8
		15,18	10	17	18	8,10
BKZZ6P	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14	13	15,21	10,11
		12,15	14	28,29	15,16	X,Y
		23,25		27.2,30.2	7,8	8,10
		15,18	10		2	
BM4VNT	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14,14	13,13	15,21	10,11
		12,15	14,14	28,29	15,16	X,Y
		23,25		27.2,30.2	7,8	8,10
		15,18	10		2	
BW9J2Y	GlobalFiler™ (STRmix)					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14	13	15,21	10,11
		12,15	14	28,29	15,16	X,Y
		23,25		27.2,30.2	7,8	8,10
		15,18	10		2	
BWTY3F	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14,14	13,13	15,21	10,11
		12,15	14,14	28,29	15,16	X,Y
		23,25		27.2,30.2	7,8	8,10
		15,18	10		2	
C2FQGU	PowerPlex® Fusion 6C					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14,14	13,13	15,21	10,11
		12,15	14,14	28,29	15,16	X,Y
		23,25	11,12	7,11	27.2,30.2	7,8
		15,18	10	17	18	8,10

TABLE 1

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

Item 4 - STR Results

C6JUKW	PowerPlex® Fusion					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11		7,8	8,10
	15,18	10				
C6XTNY	GlobalFiler™ (STRmix)					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
C7VN3H	PowerPlex® Fusion					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11		7,8	8,10
	15,18	10				
C9XP6Z	PowerPlex® Fusion 6C (STRmix v2.9)					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		
DEN9YG	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
DLKNFF	PowerPlex® F6C					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		
DPKZBF	PowerPlex® Fusion 6C					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	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

DQ2BKE	PowerPlex® Fusion 5C					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11		7,8	8,10
	15,18	10				
DUBALE	GlobalFiler™					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
DYA6F8	Investigator® 24plex QS					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10				
E4EE3G	GlobalFiler™					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
EGQGQZ	GlobalFiler™ (STRmix)					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
EHWE4U	PowerPlex® Fusion 5C					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11		7,8	8,10
	15,18	10				
EQVGED	PowerPlex® Fusion					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	inc	X,Y	9,12
	23,25	11,inc	7,11		7,8	8,10
	15,18	10				

TABLE 1

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

Item 4 - STR Results

F3FXCH	PowerPlex® Fusion 6C					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		
F4VMTW	GlobalFiler™					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
FA3QLW	GlobalFiler™ (STRmix)					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
FV2JKT	PowerPlex® Fusion					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11		7,8	8,10
	15,18	10				
GCK8GM	PowerPlex® Fusion 6C (STRmix)					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		
GCMXLJ	PowerPlex® Fusion 5C					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11		7,8	8,10
	15,18	10	-	-	-	
GDZ9A9	PowerPlex® Fusion 5C					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11		7,8	8,10
	15,18	10				

TABLE 1

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

Item 4 - STR Results

GDZU9W	Investigator® 24plex QS					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10				
GEQVUQ	PowerPlex® Fusion					
4	13,18.3	17,18	11,15	15,19	11,13	N/A
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	N/A	7,8	8,10
	15,18	10	N/A	N/A	N/A	
GHU38A	PowerPlex® Fusion 5C					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11		7,8	8,10
	15,18	10				
GJJWV6	GlobalFiler™					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
GPNTJC	PowerPlex® Fusion 6C					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		
GU7VQG	PowerPlex® Fusion 6C					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		
GYV6C	PowerPlex® Fusion 6C					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		

TABLE 1

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

Item 4 - STR Results

H6FFEP	PowerPlex® Fusion				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	11,12	7,11	7,8	8,10
	15,18	10			
H8N3Y3	PowerPlex® 21				
	13,18.3	17,18		15,19	11,13
4	9,12	14,14		15,21	10,11
	12,15	14,14	28,29		X,Y
	23,25	11,12	7,11	7,8	8,10
	15,18				
HBNEWM	PowerPlex® Fusion 6C				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	8,10
HNF7YY	GlobalFiler™				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			8,10
					2
HQWT7D	GlobalFiler™				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			8,10
					2
HRBUZJ	GlobalFiler™ (STRmix)				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			8,10
					2
HTQQRJ	GlobalFiler™ Express				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			8,10
					2

TABLE 1

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

Item 4 - STR Results

J4KRHT	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
J8HBJQ	GlobalFiler™ (STRmix)					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
JDPEWK	PowerPlex® Fusion 6C					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		
JFBJ6H	PowerPlex® Fusion 6C					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		
JLX9PR	GlobalFiler™ (STRMIX)					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
JPXKKR	GlobalFiler™ (STRmix)					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
JVNUUP	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	

TABLE 1

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

Item 4 - STR Results

JXTKYJ	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
KKNLQD	PowerPlex® Fusion 6C					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		
KYNQBQ	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
L4Y6EN	PowerPlex® Fusion 5C					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11		7,8	8,10
	15,18	10				
L7GHWQ	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	-
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	-	-	27.2,30.2	7,8	8,10
	15,18	10	-	-	2	
LBCPL7	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
LBK4V	PowerPlex® Fusion 6C (LRmix Studio)					
	13,18.3	17,18	11,15	15,19	11,13	----
4	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18	----	

TABLE 1

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

Item 4 - STR Results

LD8M68	PowerPlex® FUSION 6C (Genemapper ID-X, version 1.5)				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	8,10
LF7JJ9	PowerPlex® Fusion 5C				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	11,12	7,11	7,8	8,10
	15,18	10			
LXQAJ8	GlobalFiler™				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			8,10
					2
M3G7GW	PowerPlex® 21 (STRmix)				
	13,18.3	17,18		15,19	11,13
4	9,12	14,14		15,21	10,11
	12,15	14,14	28,29		X,Y
	23,25	11,12	7,11		7,8
	15,18				8,10
M4C444	PowerPlex® Fusion 5C				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25	11,12	7,11	7,8	8,10
	15,18	10			
M88D4C	PowerPlex® Fusion 6C				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	8,10
MDYMDA	PowerPlex® Fusion 6C				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	8,10

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 4 - STR Results

MEX9B4	PowerPlex® Fusion 5C					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11		7,8	8,10
	15,18	10				
MJPC68	PowerPlex® Fusion 6C					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		
MLB2V7	PowerPlex® Fusion 6C					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		
MPR43B	PowerPlex® Fusion 6C					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		
MQ2DTM	GlobalFiler™ (STRmix)					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
MQRNZ4	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
MX4Q7R	GlobalFiler™ (STRmix)					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	

TABLE 1

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

Item 4 - STR Results

MYGXCM	GlobalFiler™ (STRmix)				
4	13,18.3	17,18	11,15	15,19	11,13
	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			2
MZCFEN	GlobalFiler™ (STRmix)				
4	13,18.3	17,18	11,15	15,19	11,13
	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			2
N3TPV8	PowerPlex® Fusion				
4	13,18.3	17,18	11,15	15,19	11,13
	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	11,12	7,11		7,8
	15,18	10			8,10
NNRQTN	GlobalFiler™ (STRmix v2.7)				
4	13,18.3	17,18	11,15	15,19	11,13
	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			8,10
NQLUU4	GlobalFiler™				
4	13,18.3	17,18	11,15	15,19	11,13
	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			8,10
NT9T2E	GlobalFiler™ (STRmix)				
4	13,18.3	17,18	11,15	15,19	11,13
	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			8,10
NTLMGE	PowerPlex® Fusion 6C (STRmix)				
4	13,18.3	17,18	11,15	15,19	11,13
	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	8,10

TABLE 1

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

Item 4 - STR Results

NTNCLC	GlobalFiler™ Express					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
NWMNHC	GlobalFiler™ Express					
4	13,18.3	17,18	11,15	15,19	11,13	no results
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	no results	no results	27.2,30.2	7,8	8,10
	15,18	10	no results	no results	2	
P6VHAJ	GlobalFiler™					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
PAAX3V	PowerPlex® 21					
4	13,18.3	17,18		15,19	11,13	11,12
	9,12	14,14		15,21	10,11	9,11
	12,15	14,14	28,29		X,Y	9,12
	23,25	11,12	7,11		7,8	8,10
	15,18					
PD786P	GlobalFiler™ (STRMix)					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
PFGN8M	GlobalFiler™					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
PG9AT7	GlobalFiler™					
4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	

TABLE 1

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

Item 4 - STR Results

PGQQV8 PowerPlex® FUSION 6C

4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		

PNAMQN GlobalFiler™

4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	

PRRL6J PowerPlex® Fusion

4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11		7,8	8,10
	15,18	10				

QC7TTG PowerPlex® Fusion

4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11		7,8	8,10
	15,18	10				

QCANN2 GlobalFiler™

4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	

RCPAVH PowerPlex® 35GY (STRMix)

4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18					

REAGV6 PowerPlex® Fusion 6C

4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	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

RPE48C	PowerPlex® Fusion 6C (STRmix)					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		
RV6VQY	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
RY4URH	GlobalFiler™ (STRmix)					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
RY6ECK	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
T49D4G	GlobalFiler™ (STRmix)					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
T9JQ4M	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
TAFGGA	GlobalFiler™ (STRmix)					
	13,18.3	17,18	11,15	15,19	11,13	
4	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	

TABLE 1

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

Item 4 - STR Results

TAHQJZ	PowerPlex® Fusion 6C					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14,14	13,13	15,21	10,11
		12,15	14,14	28,29	15,16	X,Y
		23,25	11,12	7,11	27.2,30.2	7,8
		15,18	10	17	18	8,10
TE99JJ	Investigator® 24plex QS					
	13,18.3	17,18	11,15	15,19	11,13	N/A
	4	9,12	14,14	13,13	15,21	10,11
		12,15	14,14	28,29	15,16	X,Y
		23,25	N/A	N/A	27.2,30.2	7,8
		15,18	10	N/A	N/A	8,10
TETJ37	PowerPlex® Fusion 6C					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14	13	15,21	10,11
		12,15	14	28,29	15,16	X,Y
		23,25	11,12	7,11	27.2,30.2	7,8
		15,18	10	17	18	8,10
TKYKEF	PowerPlex® Fusion					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14	13	15,21	10,11
		12,15	14	28,29	15,16	X,Y
		23,25	11,12	7,11	7,8	8,10
		15,18	10			
U2XUHP	PowerPlex® 21 (STRmix)					
	13,18.3	17,18		15,19	11,13	11,12
	4	9,12	14,14	15,21	10,11	9,11
		12,15	14,14	28,29	X,Y	9,12
		23,25	11,12	7,11	7,8	8,10
		15,18				
U3HQJX	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14,14	13,13	15,21	10,11
		12,15	14,14	28,29	15,16	X,Y
		23,25		27.2,30.2	7,8	8,10
		15,18	10		2	
U8R42W	PowerPlex® Fusion 6C (STRmix)					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14,14	13,13	15,21	10,11
		12,15	14,14	28,29	15,16	X,Y
		23,25	11,12	7,11	27.2,30.2	7,8
		15,18	10	17	18	8,10

TABLE 1

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

Item 4 - STR Results

UABGVZ	PowerPlex® Fusion 6C				
4	13,18.3	17,18	11,15	15,19	11,13
	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	
UDAX79	PowerPlex® Fusion 6C (STRmix)				
4	13,18.3	17,18	11,15	15,19	11,13
	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	
UFENB3	PowerPlex® Fusion 6C				
4	13,18.3	17,18	11,15	15,19	11,13
	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	
UH7JXC	PowerPlex® Fusion 6C				
4	13,18.3	17,18	11,15	15,19	11,13
	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	
UJGNBZ	PowerPlex® F6C				
4	13,18.3	17,18	11,15	15,19	11,13
	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	
UP3GKE	PowerPlex® Fusion				
4	13,18.3	17,18	11,15	15,19	11,13
	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25	11,12	7,11		7,8
	15,18	10			
UUY3E3	PowerPlex® Fusion 6C				
4	13,18.3	17,18	11,15	15,19	11,13
	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	

TABLE 1

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

Item 4 - STR Results

UWMG3C PowerPlex® Fusion 6C

4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		

UXYEA3 PowerPlex® Fusion 6C

4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		

VB4WJG GlobalFiler™

4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	

VDTFWT GlobalFiler™

4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	

VF2TEV PowerPlex® Fusion 5C

4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11		7,8	8,10
	15,18	10				

VGREYD PowerPlex® Fusion

4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11		7,8	8,10
	15,18	10				

VRNMHF GlobalFiler™ (STRmix)

4	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	

TABLE 1

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

Item 4 - STR Results

VTGYBH	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	
VUGC3W	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	--	--	27.2,30.2	7,8	8,10
	15,18	10	--	--	2	
VXJRT	PowerPlex® Fusion 5C					
	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11		7,8	8,10
	15,18	10				
W2RVY2	PowerPlex® Fusion 6C					
	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		
WA2NR9	PowerPlex® Fusion 6C					
	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11	27.2,30.2	7,8	8,10
	15,18	10	17	18		
WN3QHC	PowerPlex® Fusion					
	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14	13	15,21	10,11	9,11
	12,15	14	28,29	15,16	X,Y	9,12
	23,25	11,12	7,11		7,8	8,10
	15,18	10				
WT2CJ8	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
	9,12	14,14	13,13	15,21	10,11	9,11
	12,15	14,14	28,29	15,16	X,Y	9,12
	23,25			27.2,30.2	7,8	8,10
	15,18	10			2	

TABLE 1

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

Item 4 - STR Results

WT4G7P	Identifiler® PLUS				
		17,18		15,19	11,13
4	9,12	14,14			10,11
	12,15	14,14	28,29		X,Y
	23,25				7,8
	15,18				8,10
WXBRRV	GlobalFiler™				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			8,10
					2
WY2G4J	RapidINTEL Plus				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			8,10
					2
X2QM79	PowerPlex® Fusion 6C				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	8,10
X3GBFA	PowerPlex® Fusion				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	11,12	7,11		7,8
	15,18	10			8,10
X3LKRU	GlobalFiler™				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			8,10
					2
XALMKZ	PowerPlex® Fusion 6C				
	13,18.3	17,18	11,15	15,19	11,13
4	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	8,10

TABLE 1

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

Item 4 - STR Results

XTDP22	Investigator® 24plex QS					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14,14	13,13	15,21	10,11
		12,15	14,14	28,29	15,16	X,Y
		23,25		27.2,30.2	7,8	8,10
		15,18	10			
XTGL3F	Investigator® 24plex QS					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14,14	13,13	15,21	10,11
		12,15	14,14	28,29	15,16	X,Y
		23,25		27.2,30.2	7,8	8,10
		15,18	10			
Y64KDV	PowerPlex® F6C					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14	13	15,21	10,11
		12,15	14	28,29	15,16	X,Y
		23,25	11,12	7,11	27.2,30.2	7,8
		15,18	10	17	18	8,10
Y67YFG	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14	13	15,21	10,11
		12,15	14	28,29	15,16	X,Y
		23,25		27.2,30.2	7,8	8,10
		15,18	10		2	
Y7HNVL	GlobalFiler™					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14	13	15,21	10,11
		12,15	14	28,29	15,16	X,Y
		23,25		27.2,30.2	7,8	8,10
		15,18	10		2	
YC6YWB	GlobalFiler™ (STRmix)					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14	13	15,21	10,11
		12,15	14	28,29	15,16	X,Y
		23,25		27.2,30.2	7,8	8,10
		15,18	10		2	
YJZNBD	PowerPlex® Fusion 6C (STRmix 2.9)					
	13,18.3	17,18	11,15	15,19	11,13	
	4	9,12	14	13	15,21	10,11
		12,15	14	28,29	15,16	X,Y
		23,25	11,12	7,11	27.2,30.2	7,8
		15,18	10	17	18	8,10

TABLE 1

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

Item 4 - STR Results

Z2KEAD	Investigator® 24plex QS				
4	13,18.3	17,18	11,15	15,19	11,13
	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			8,10
ZAC6LK	PowerPlex® Fusion 6C				
4	13,18.3	17,18	11,15	15,19	11,13
	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25	11,12	7,11	27.2,30.2	7,8
	15,18	10	17	18	8,10
ZBN26B	GlobalFiler™ (STRmix)				
4	13,18.3	17,18	11,15	15,19	11,13
	9,12	14	13	15,21	10,11
	12,15	14	28,29	15,16	X,Y
	23,25			27.2,30.2	7,8
	15,18	10			2
ZGT33K	PowerPlex® 21				
4	13,18.3	17,18		15,19	11,13
	9,12	14,14		15,21	10,11
	12,15	14,14	28,29		X,Y
	23,25	11,12	7,11		7,8
	15,18				11,12
ZJ679C	Investigator® 24plex QS, Flexplex27TM				
4	13,18.3	17,18	11,15	15,19	11,13
	9,12	14,14	13,13	15,21	10,11
	12,15	14,14	28,29	15,16	X,Y
	23,25	N/A	7,11	27.2,30.2	7,8
	15,18	10	17	18	N/A

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										
23RQ8L	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
276NGT	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
29T374	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
2CEMB8	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
2FC7D7	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
2QDU63	Yfiler™									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18			
							24		12	
2UYDA8	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
3TJ239	Yfiler™									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18			
							24		12	
3YND28	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
47G6M7	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
4BA8TR	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	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										
4EWLG2	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
4J9YG9	Yfiler™									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18			
							24		12	
4RJV7R	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
4U7AU2	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
6RGMCY	Yfiler™									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18			
							24		12	
72WY42	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
74ALAN	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
76K9EN	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
7ADXQ9	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
7MFY9W	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
8LN3LN	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
9LU8BV	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		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										
9ZY7J3	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
AC89JQ	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
AEV8T3	Yfiler™									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18			
							24		12	
AJ7TLL	Yfiler™									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
AKHRGV	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
ALDAHW	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
ANED8X	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
ANYUNZ	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
AR3MJK	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
AURCBK	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
AVGT9L	Yfiler™									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18			
							24		12	
BDUW7X	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	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									
BHUDRK	Yfiler™ Plus								
2	35,37	14	11,14	13	30	24	11	13	13
	15	12	13	19	31	14	18	10	22
	38	12		19	19	23	24		12
BKZZ6P	Yfiler™ Plus								
2	35,37	14	11,14	13	30	24	11	13	13
	15	12	13	19	31	14	18	10	22
	38	12		19	19	23	24		12
BW9J2Y	Yfiler™ Plus								
2	35,37	14	11,14	13	30	24	11	13	13
	15	12	13	19	31	14	18	10	22
	38	12		19	19	23	24		12
C2FQGU	PowerPlex® Y 23								
2		14	11,14	13	30	24	11	13	13
	15	12	13	19		14	18		22
		12	13	19	19		24	10	12
C6JUKW	Yfiler™ Plus								
2	35,37	14	11,14	13	30	24	11	13	13
	15	12	13	19	31	14	18	10	22
	38	12		19	19	23	24		12
C6XTNY	Yfiler™ Plus								
2	35,37	14	11,14	13	30	24	11	13	13
	15	12	13	19	31	14	18	10	22
	38	12		19	19	23	24		12
C7VN3H	Yfiler™ Plus								
2	35,37	14	11,14	13	30	24	11	13	13
	15	12	13	19	31	14	18	10	22
	38	12		19	19	23	24		12
DLKNFF	PowerPlex® Y 23								
2		14	11,14	13	30	24	11	13	13
	15	12	13	19		14	18		22
		12	13	19	19		24	10	12
DPKZBF	PowerPlex® Y 23								
2		14	11,14	13	30	24	11	13	13
	15	12	13	19		14	18		22
		12	13	19	19		24	10	12
E4EE3G	Yfiler™								
2		14	11,14	13	30	24	11	13	13
	15	12	13	19		14	18		
							24		12
EG7DZQ	PowerPlex® Y 23								
2		14	11,14	13	30	24	11	13	13
	15	12	13	19		14	18		22
		12	13	19	19		24	10	12
EQVGED	PowerPlex® Y 23								
2		14	11,14	13	30	24	11	13	13
	15	12	13	19		14	18		22
		12	13	19	19		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										
FV2JKT	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
GCK8GM	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
GDZ9A9	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
GEQVUQ	PowerPlex® Y 23									
2	N/A	14	11,14	13	30	24	11	13	13	
	15	12	13	19	N/A	14	18	N/A	22	
	N/A	12	13	19	19	N/A	24	10	12	
GHU38A	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
GJJWV6	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
GPNTJC	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
GYV6C	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
H6FFEP	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
HBNEWM	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
HNF7YY	Yfiler™ plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
J8HBJQ	Yfiler™ PLUS									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	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

JLX9PR	Yfiler™ Plus								
	35,37	14	11,14	13	30	24	11	13	13
2	15	12	13	19	31	14	18	10	22
	38	12		19	19	23	24		12
JPXKKR	Yfiler™ Plus								
	35,37	14	11,14	13	30	24	11	13	13
2	15	12	13	19	31	14	18	10	22
	38	12		19	19	23	24		12
JXTKYJ	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	13	19		14	18		
							24		12
KYNQBQ	Yfiler™								
		14	11,14	13	30	24	11	13	13
2	15	12	13	19		14	18		
							24		12
L4Y6EN	Yfiler™ Plus								
	35,37	14	11,14	13	30	24	11	13	13
2	15	12	13	19	31	14	18	10	22
	38	12		19	19	23	24		12
LD8M68	Investigator® Argus Y-28								
		14	11,14	13	30	24	11	13	13
2	15	12	13	19	31	14	18	10	22
	38	12	13	19	19	23	24	10	12
MJPC68	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
2	15	12	13	19		14	18		22
		12	13	19	19		24	10	12
MQ2DTM	Yfiler™ Plus								
	35,37	14	11,14	13	30	24	11	13	13
2	15	12	13	19	31	14	18	10	22
	38	12		19	19	23	24		12
MQRNZ4	Yfiler™ Plus								
	35,37	14	11,14	13	30	24	11	13	13
2	15	12	13	19	31	14	18	10	22
	38	12		19	19	23	24		12
MX4Q7R	Yfiler™ Plus								
	35,37	14	11,14	13	30	24	11	13	13
2	15	12	13	19	31	14	18	10	22
	38	12		19	19	23	24		12
MYGXCM	Yfiler™ Plus								
	35,37	14	11,14	13	30	24	11	13	13
2	15	12	13	19	31	14	18	10	22
	38	12		19	19	23	24		12
MZCFEN	Yfiler™ Plus								
	35,37	14	11,14	13	30	24	11	13	13
2	15	12	13	19	31	14	18	10	22
	38	12		19	19	23	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										
MZRCR2	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
N3TPV8	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
NQLUU4	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
NTLMGE	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
PL7JGY	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
PNAMQN	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
PRRL6J	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
QC7TTG	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
R72JB9	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
RCPAVH	PowerPlex 35GY									
2			11,14			24	11			
		12		19		14	18		22	
							24	10		
RV6VQY	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
RWQHP8	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	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

RY4URH	Yfiler™ Plus								
	35,37	14	11,14	13	30	24	11	13	13
	15	12	13	19	31	14	18	10	22
2	38	12		19	19	23	24		12
T49D4G	Yfiler™ Plus								
	35,37	14	11,14	13	30	24	11	13	13
	15	12	13	19	31	14	18	10	22
2	38	12		19	19	23	24		12
TAHQJZ	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
	15	12	13	19		14	18		22
2		12	13	19	19		24	10	12
TKYKEF	Yfiler™ Plus								
	35,37	14	11,14	13	30	24	11	13	13
	15	12	13	19	31	14	18	10	22
2	38	12		19	19	23	24		12
UABGVZ	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
	15	12	13	19		14	18		22
2		12	13	19	19		24	10	12
UH7JXC	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
	15	12	13	19		14	18		22
2		12	13	19	19		24	10	12
UJ23YD	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
	15	12	13	19		14	18		22
2		12	13	19	19		24	10	12
UJGNBZ	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
	15	12	13	19		14	18		22
2		12	13	19	19		24	10	12
UP3GKE	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
	15	12	13	19		14	18		22
2		12	13	19	19		24	10	12
UWMG3C	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
	15	12	13	19		14	18		22
2		12	13	19	19		24	10	12
VGREYD	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
	15	12	13	19		14	18		22
2		12	13	19	19		24	10	12
VTGYBH	PowerPlex® Y 23								
		14	11,14	13	30	24	11	13	13
	15	12	13	19		14	18		22
2		12	13	19	19		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										
WA2NR9	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
WN3QHC	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
WT4G7P	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
X2QM79	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
X3GBFA	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
Y64KDV	PowerPlex® Y 23									
2		14	11,14	13	30	24	11	13	13	
	15	12	13	19		14	18		22	
		12	13	19	19		24	10	12	
YC6YWB	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	24		12	
ZBN26B	Yfiler™ Plus									
2	35,37	14	11,14	13	30	24	11	13	13	
	15	12	13	19	31	14	18	10	22	
	38	12		19	19	23	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

2QDU63	Yfiler™								
3									
6RGMCY	Yfiler™								
3									
72WY42	PowerPlex® Y 23								
3		ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND		ND	ND		ND
		ND	ND	ND	ND		ND	ND	ND
BDUW7X	Yfiler™ Plus								
3	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
C6JUKW	Yfiler™ Plus								
3	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
C6XTNY	Yfiler™ Plus								
3									
C7VN3H	Yfiler™ Plus								
3	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
EQVGED	PowerPlex® Y 23								
3		NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR		NR	NR		NR
		NR	NR	NR	NR		NR	NR	NR
FV2JKT	Yfiler™ Plus								
3	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
H6FFEP	Yfiler™ Plus								
3	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
L4Y6EN	Yfiler™ Plus								
3	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
N3TPV8	Yfiler™ Plus								
3	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

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

NQLUU4		PowerPlex® Y 23								
3		No Results	No Results	No Results	No Results	No Results	No Results	No Results		
	No Results	No Results	No Results	No Results		No Results	No Results		No Results	
		No Results	No Results	No Results	No Results		No Results	No Results	No Results	
PRRL6J		Yfiler™ Plus								
3	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	
QC7TTG		Yfiler™ Plus								
3	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	
TKYKEF		Yfiler™ Plus								
3	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	
WN3QHC		Yfiler™ Plus								
3	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	
X3GBFA		Yfiler™ Plus								
3	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	

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										
23RQ8L		Yfiler™ Plus								
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
276NGT		PowerPlex® Y 23								
4			15	15,16	13	29	25	10	12	15
		15	10	11	20		14	16		25
			11	11	17	18		19	11	11
29T374		Yfiler™ Plus								
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
2CEMB8		PowerPlex® Y 23								
4			15	15,16	13	29	25	10	12	15
		15	10	11	20		14	16		25
			11	11	17	18		19	11	11
2QDU63		Yfiler™								
4			15	15,16	13	29	25	10	12	15
		15	10	11	20		14	16		
								19		11
2UYDA8		PowerPlex® Y 23								
4			15	15,16	13	29	25	10	12	15
		15	10	11	20		14	16		25
			11	11	17	18		19	11	11
3TJ239		Yfiler™								
4			15	15,16	13	29	25	10	12	15
		15	10	11	20		14	16		
								19		11
3YND28		Yfiler™ Plus								
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
47G6M7		Yfiler™ Plus								
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
4BA8TR		Yfiler™ Plus								
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
4EWLG2		PowerPlex® Y 23								
4			15	15,16	13	29	25	10	12	15
		15	10	11	20		14	16		25
			11	11	17	18		19	11	11
4J9YG9		Yfiler™								
4			15	15,16	13	29	25	10	12	15
		15	10	11	20		14	16		
								19		11

TABLE 2

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 4 - YSTR Results										
4RJV7R	PowerPlex® Y 23									
4	15	15,16	13	29	25	10	12	15		
	15	10	11	20	14	16	25			
	11	11	17	18	19	11	11			
4U7AU2	PowerPlex® Y 23									
4	15	15,16	13	29	25	10	12	15		
	15	10	11	20	14	16	25			
	11	11	17	18	19	11	11			
6RGMCY	Yfiler™									
4	15	15,16	13	29	25	10	12	15		
	15	10	11	20	14	16				
					19	11	11			
72WY42	PowerPlex® Y 23									
4	15	15,16	13	29	25	10	12	15		
	15	10	11	20	14	16	25			
	11	11	17	18	19	11	11			
74ALAN	Yfiler™ Plus									
4	37,39	15	15,16	13	29	25	10	12	15	
	15	10	11	20	28	14	16	11	25	
	44	11	17	18	19	19	11			
76K9EN	PowerPlex® Y 23									
4	15	15,16	13	29	25	10	12	15		
	15	10	11	20	14	16	25			
	11	11	17	18	19	11	11			
7ADXQ9	Yfiler™ Plus									
4	37,39	15	15,16	13	29	25	10	12	15	
	15	10	11	20	28	14	16	11	25	
	44	11	17	18	19	19	11			
7MFY9W	PowerPlex® Y 23									
4	15	15,16	13	29	25	10	12	15		
	15	10	11	20	14	16	25			
	11	11	17	18	19	11	11			
8LN3LN	PowerPlex® Y 23									
4	15	15,16	13	29	25	10	12	15		
	15	10	11	20	14	16	25			
	11	11	17	18	19	11	11			
9LU8BV	PowerPlex® Y 23									
4	15	15,16	13	29	25	10	12	15		
	15	10	11	20	14	16	25			
	11	11	17	18	19	11	11			
9ZY7J3	Yfiler™ Plus									
4	37,39	15	15,16	13	29	25	10	12	15	
	15	10	11	20	28	14	16	11	25	
	44	11	17	18	19	19	11			
AC89JQ	Yfiler™ Plus									
4	37,39	15	15,16	13	29	25	10	12	15	
	15	10	11	20	28	14	16	11	25	
	44	11	17	18	19	19	11			

TABLE 2

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

Item 4 - YSTR Results

AEV8T3		Yfiler™							
4		15	15,16	13	29	25	10	12	15
		15	10	11	20	14	16		
							19		11
AJ7TLL		Yfiler™ Plus							
4	37,39	15	15,16	13	29	25	10	12	15
	15	10	11	20	28	14	16	11	25
	44	11		17	18	19	19		11
AKHRGV		PowerPlex® Y 23							
4		15	15,16	13	29	25	10	12	15
	15	10	11	20		14	16		25
		11	11	17	18		19	11	11
ALDAHW		PowerPlex® Y 23							
4		15	15,16	13	29	25	10	12	15
	15	10	11	20		14	16		25
		11	11	17	18		19	11	11
ANED8X		PowerPlex® Y 23							
4		15	15,16	13	29	25	10	12	15
	15	10	11	20		14	16		25
		11	11	17	18		19	11	11
ANYUNZ		Yfiler™ Plus							
4	37,39	15	15,16	13	29	25	10	12	15
	15	10	11	20	28	14	16	11	25
	44	11		17	18	19	19		11
AR3MJK		PowerPlex® Y 23							
4		15	15,16	13	29	25	10	12	15
	15	10	11	20		14	16		25
		11	11	17	18		19	11	11
AURCBK		Yfiler™ Plus							
4	37,39	15	15,16	13	29	25	10	12	15
	15	10	11	20	28	14	16	11	25
	44	11		17	18	19	19		11
AVGT9L		Yfiler™							
4		15	15,16	13	29	25	10	12	15
	15	10	11	20		14	16		
							19		11
BDUW7X		Yfiler™ Plus							
4	37,39	15	15,16	13	29	25	10	12	15
	15	10	11	20	28	14	16	11	25
	44	11		17	18	19	19		11
BHUDRK		Yfiler™ Plus							
4	37,39	15	15,16	13	29	25	10	12	15
	15	10	11	20	28	14	16	11	25
	44	11		17	18	19	19		11
BKZZ6P		Yfiler™ Plus							
4	37,39	15	15,16	13	29	25	10	12	15
	15	10	11	20	28	14	16	11	25
	44	11		17	18	19	19		11

TABLE 2

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

Item 4 - YSTR Results

BW9J2Y	Yfiler™ Plus								
	37,39	15	15,16	13	29	25	10	12	15
	15	10	11	20	28	14	16	11	25
4	44	11		17	18	19	19		11
C2FQGU	PowerPlex® Y 23								
		15	15,16	13	29	25	10	12	15
	15	10	11	20		14	16		25
4		11	11	17	18		19	11	11
C6JUKW	Yfiler™ Plus								
	37,39	15	15,16	13	29	25	10	12	15
	15	10	11	20	28	14	16	11	25
4	44	11		17	18	19	19		11
C6XTNY	Yfiler™ Plus								
	37,39	15	15,16	13	29	25	10	12	15
	15	10	11	20	28	14	16	11	25
4	44	11		17	18	19	19		11
C7VN3H	Yfiler™ Plus								
	37,39	15	15,16	13	29	25	10	12	15
	15	10	11	20	28	14	16	11	25
4	44	11		17	18	19	19		11
DLKNFF	PowerPlex® Y 23								
		15	15,16	13	29	25	10	12	15
	15	10	11	20		14	16		25
4		11	11	17	18		19	11	11
DPKZBF	PowerPlex® Y 23								
		15	15,16	13	29	25	10	12	15
	15	10	11	20		14	16		25
4		11	11	17	18		19	11	11
E4EE3G	Yfiler™								
		15	15,16	13	29	25	10	12	15
	15	10	11	20		14	16		
4							19		11
EQVGED	PowerPlex® Y 23								
		15	15,16	13	29	25	10	12	15
	15	10	11	20		14	16		25
4		11	11	17	18		19	11	11
FV2JKT	Yfiler™ Plus								
	37,39	15	15,16	13	29	25	10	12	15
	15	10	11	20	28	14	16	11	25
4	44	11		17	18	19	19		11
GCK8GM	PowerPlex® Y 23								
		15	15,16	13	29	25	10	12	15
	15	10	11	20		14	16		25
4		11	11	17	18		19	11	11
GDZ9A9	PowerPlex® Y 23								
		15	15,16	13	29	25	10	12	15
	15	10	11	20		14	16		25
4		11	11	17	18		19	11	11

TABLE 2

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 4 - YSTR Results										
GEQVUQ	PowerPlex® Y 23									
4	N/A	15	15,16	13	29	25	10	12	15	
	15	10	11	20	N/A	14	16	N/A	25	
	N/A	11	11	17	18	N/A	19	11	11	
GHU38A	PowerPlex® Y 23									
4		15	15,16	13	29	25	10	12	15	
	15	10	11	20		14	16		25	
		11	11	17	18		19	11	11	
GJJWV6	Yfiler™ Plus									
4	37,39	15	15,16	13	29	25	10	12	15	
	15	10	11	20	28	14	16	11	25	
	44	11		17	18	19	19		11	
GPNTJC	PowerPlex® Y 23									
4		15	15,16	13	29	25	10	12	15	
	15	10	11	20		14	16		25	
		11	11	17	18		19	11	11	
GYV6C	PowerPlex® Y 23									
4		15	15,16	13	29	25	10	12	15	
	15	10	11	20		14	16		25	
		11	11	17	18		19	11	11	
H6FFEP	Yfiler™ Plus									
4	37,39	15	15,16	13	29	25	10	12	15	
	15	10	11	20	28	14	16	11	25	
	44	11		17	18	19	19		11	
HBNEWM	PowerPlex® Y 23									
4		15	15,16	13	29	25	10	12	15	
	15	10	11	20		14	16		25	
		11	11	17	18		19	11	11	
HNF7YY	Yfiler™ Plus									
4	37,39	15	15,16	13	29	25	10	12	15	
	15	10	11	20	28	14	16	11	25	
	44	11		17	18	19	19		11	
J8HBJQ	Yfiler™ PLUS									
4	37,39	15	15,16	13	29	25	10	12	15	
	15	10	11	20	28	14	16	11	25	
	44	11		17	18	19	19		11	
JLX9PR	Yfiler™ Plus									
4	37,39	15	15,16	13	29	25	10	12	15	
	15	10	11	20	28	14	16	11	25	
	44	11		17	18	19	19		11	
JPXKKR	Yfiler™ Plus									
4	37,39	15	15,16	13	29	25	10	12	15	
	15	10	11	20	28	14	16	11	25	
	44	11		17	18	19	19		11	
JXTKYJ	Yfiler™									
4		15	15,16	13	29	25	10	12	15	
	15	10	11	20		14	16			
							19		11	

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4 - YSTR Results										
KYNQBQ	Yfiler™									
4		15	15,16	13	29	25	10	12	15	
		15	10	11	20	14	16			
							19		11	
L4Y6EN	Yfiler™ Plus									
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
LD8M68	Investigator® Argus Y-28									
4		15	15,16	13	29	25	10	12	15	
		15	10	11	20	28	14	16	11	25
		44	11	11	17	18	19	19	11	11
MJPC68	PowerPlex® Y 23									
4		15	15,16	13	29	25	10	12	15	
		15	10	11	20	14	16			25
			11	11	17	18	19	11	11	
MQ2DTM	Yfiler™ Plus									
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
MQRNZ4	Yfiler™ Plus									
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
MX4Q7R	Yfiler™ Plus									
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
MYGXCM	Yfiler™ Plus									
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
MZCFEN	Yfiler™ Plus									
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
N3TPV8	Yfiler™ Plus									
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
NQLUU4	PowerPlex® Y 23									
4		15	15,16	13	29	25	10	12	15	
		15	10	11	20	14	16			25
			11	11	17	18	19	11	11	
NTLMGE	PowerPlex® Y 23									
4		15	15,16	13	29	25	10	12	15	
		15	10	11	20	14	16			25
			11	11	17	18	19	11	11	

TABLE 2

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

Item 4 - YSTR Results

PNAMQN		Yfiler™ Plus								
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
PRRL6J		Yfiler™ Plus								
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
QC7TTG		Yfiler™ Plus								
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
R72JB9		Yfiler™ Plus								
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
RCPAVH		PowerPlex 35GY								
4				15,16			25	10		
			10		20		14	16		25
								19	11	
RV6VQY		Yfiler™ Plus								
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
RWQHP8		Yfiler™ Plus								
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
RY4URH		Yfiler™ Plus								
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
T49D4G		Yfiler™ Plus								
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
TAHQJZ		PowerPlex® Y 23								
4			15	15,16	13	29	25	10	12	15
			15	10	11	20	14	16		25
			11	11	17	18		19	11	11
TKYKEF		Yfiler™ Plus								
4		37,39	15	15,16	13	29	25	10	12	15
		15	10	11	20	28	14	16	11	25
		44	11		17	18	19	19		11
UABGVZ		PowerPlex® Y 23								
4			15	15,16	13	29	25	10	12	15
			15	10	11	20	14	16		25
			11	11	17	18		19	11	11

TABLE 2

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4 - YSTR Results									
UH7JXC	PowerPlex® Y 23								
4	15	15,16	13	29	25	10	12	15	
	15	10	11	20	14	16		25	
	11	11	17	18		19	11	11	
UJGNBZ	PowerPlex® Y 23								
4	15	15,16	13	29	25	10	12	15	
	15	10	11	20	14	16		25	
	11	11	17	18		19	11	11	
UP3GKE	PowerPlex® Y 23								
4	15	15,16	13	29	25	10	12	15	
	15	10	11	20	14	16		25	
	11	11	17	18		19	11	11	
UWMG3C	PowerPlex® Y 23								
4	15	15,16	13	29	25	10	12	15	
	15	10	11	20	14	16		25	
	11	11	17	18		19	11	11	
VGREYD	PowerPlex® Y 23								
4	15	15,16	13	29	25	10	12	15	
	15	10	11	20	14	16		25	
	11	11	17	18		19	11	11	
VTGYBH	PowerPlex® Y 23								
4	15	15,16	13	29	25	10	12	15	
	15	10	11	20	14	16		25	
	11	11	17	18		19	11	11	
WA2NR9	PowerPlex® Y 23								
4	15	15,16	13	29	25	10	12	15	
	15	10	11	20	14	16		25	
	11	11	17	18		19	11	11	
WN3QHC	Yfiler™ Plus								
4	37,39	15	15,16	13	29	25	10	12	15
	15	10	11	20	28	14	16	11	25
	44	11		17	18	19	19		11
WT4G7P	PowerPlex® Y 23								
4	15	15,16	13	29	25	10	12	15	
	15	10	11	20	14	16		25	
	11	11	17	18		19	11	11	
X2QM79	PowerPlex® Y 23								
4	15	15,16	13	29	25	10	12	15	
	15	10	11	20	14	16		25	
	11	11	17	18		19	11	11	
X3GBFA	Yfiler™ Plus								
4	37,39	15	15,16	13	29	25	10	12	15
	15	10	11	20	28	14	16	11	25
	44	11		17	18	19	19		11
Y64KDV	PowerPlex® Y 23								
4	15	15,16	13	29	25	10	12	15	
	15	10	11	20	14	16		25	
	11	11	17	18		19	11	11	

TABLE 2

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

Item 4 - YSTR Results

YC6YWB		Yfiler™ Plus							
4	37,39	15	15,16	13	29	25	10	12	15
	15	10	11	20	28	14	16	11	25
	44	11		17	18	19	19		11
ZBN26B		Yfiler™ Plus							
4	37,39	15	15,16	13	29	25	10	12	15
	15	10	11	20	28	14	16	11	25
	44	11		17	18	19	19		11

Additional DNA Results

TABLE 3

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

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
QQL	HTQQRJ	1,2	1,2	1,2			1,2		
	NTNCLC	1,2	1,2	1,2			1,2		
QQS	HTQQRJ	1,2	1,2	1,2			1,2		
	NTNCLC	1,2	1,2	1,2			1,2		
QS1	Z2KEAD	Q	Q	Q			Q		
QS2	Z2KEAD	S	S	S			S		

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
23RQ8L	Yes	No	No	No	4BA8TR	Yes	No	No	No
276NGT	Yes	No	No	No	4EWLG2	Yes	No	No	No
29T374	Yes	No	No	No	4J9YG9	Yes	No	No	No
2CEMB8	Yes	No	No	No	4NLAEP	Yes	No	No	No
2CU47Z	Yes	No	No	No	4RJV7R	Yes	No	No	No
2DNRNV	Yes	No	No	No	4U7AU2	Yes	No	No	No
2FC7D7	No Interpretations Reported, DNA Analyzed for Database purposes only.				692BLT	Yes	No	No	No
2MDH93	No Interpretations Reported, DNA Analyzed for Database purposes only.				6DKNVP	Yes	No	No	No
2MF8DZ	Yes	No	No	No	6GE62V	Yes	No	No	No
2MXLYB	Yes	No	No	No	6RGMCY	No Interpretations Reported, DNA Analyzed for Database purposes only.			
2QDU63	No Interpretations Reported, DNA Analyzed for Database purposes only.				6RWA49	Yes	No	No	No
2UYDA8	Yes	No	No	No	6T8EFB	Yes	No	No	No
2ZK9BB	Yes	No	No	No	6VCG9E	Yes	No	No	No
32UD9R	Yes	No	No	No	72WY42	Yes	No	No	No
3A8PGQ	Yes	No	No	No	74ALAN	Yes	No	No	No
3JVXBL	No Interpretations Reported, DNA Analyzed for Database purposes only.				76K9EN	Yes	No	No	No
3R4CLU	Yes	No	No	No	7ADXQ9	Yes	No	No	No
3TJ239	Yes	No	No	No	7DC9M9	Yes	No	No	No
3YND28	Yes	No	No	No	7M2EMD	Yes	No	No	No
47G6M7	Yes	No	No	No	7MFY9W	Yes	No	No	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
7NDRDN	Yes	No	No	No	AVGT9L	Yes	No	No	No
7PRTLQ	No Interpretations Reported, DNA Analyzed for Database purposes only.				AWYU9F	Yes	No	No	No
7QKUA8	Yes	No	No	No	B4NLNR	Yes	No	No	No
8LN3LN	Yes	No	No	No	BBAEYR	Yes	No	No	No
8QDAXN	Yes	No	No	No	BDUW7X	Yes	No	No	No
9LU8BV	Yes	No	No	No	BE9TMG	Yes	No	No	No
9VKPQP	Yes	No	No	No	BHUDRK	Yes	No	No	No
9YPNDY	Yes	No	No	No	BJPVUL	Yes	No	No	No
9ZY7J3	Yes	No	No	No	BKZZ6P	Yes	No	No	No
AC89JQ	No Interp	No Interp	No Interp	No	BM4VNT	No Interpretations Reported, DNA Analyzed for Database purposes only.			
ADJ6MA	Yes	No	No	No	BW9J2Y	Yes	No	No	No
AEV8T3	Yes	No	No	No	BWTY3F	Yes	No	No	No
AJ7TLL	Yes	No	No	No	C2FQGU	Yes	No	No	No
AKHRGV	Yes	No	No	No	C6JUKW	Yes	No	No	No
ALDAHW	Yes	No	No	No	C6XTNY	Yes	No	No	No
AM4CLY	Yes	No	No	No	C7VN3H	Yes	No	No	No
ANED8X	Yes	No	No	No	C9XP6Z	Yes	No	No	No
ANYGX7	Yes	No	No	No	CRDNPB	No Interpretations Reported, DNA Analyzed for Database purposes only.			
ANYUNZ	Yes	No	No	No	DEN9YG	Yes	No	No	No
AR3MJK	Yes	No	No	No	DLKNFF	Yes	No	No	No
AURCBK	Yes	No	No	No	DPKZBF	Yes	No	No	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
DQ2BKE	Yes	No	No	No	GYV6C	Yes	No	No	No
DUBALE	Yes	No	No	No	H6FFEP	Yes	No	No	No
DYA6F8	Yes	No	No	No	H8N3Y3	Yes	No	No	No
E4EE3G	Yes	No	No	No	HBNEWM	Yes	No	No	No
EG7DZQ	No Interpretations Reported, DNA Analyzed for Database purposes only.				HK2L76	No Interpretations Reported, DNA Analyzed for Database purposes only.			
EGQGQZ	Yes	No	No	No	HNF7YY	Yes	No	No	No
EHWE4U	Yes	No	No	No	HQWT7D	Yes	No	No	No
EQVGED	No Interp	No	No	No	HRBUZJ	Yes	No	No	No
F3FXCH	Yes	No	No	No	HTQQRJ	Yes	No	No	No
F4VMTW	Yes	No	No	No	J4KRHT	Yes	No	No	No
FA3QLW	Yes	No	No	No	J8HBJQ	Yes	No	No	No
FV2JKT	Yes	No	No	No	J9ZZ8D	No Interpretations Reported, DNA Analyzed for Database purposes only.			
GCK8GM	Yes	No	No	No	JDPEWK	Yes	No	No	No
GCMXLJ	Yes	No	No	No	JFBJ6H	Yes	No	No	No
GDZ9A9	Yes	No	No	No	JLX9PR	Yes	No	No	No
GDZU9W	Yes	No	No	No	JPXKKR	Yes	No	No	No
GEQVUQ	Yes	No	No	No	JVNUUP	Yes	No	No	No
GHU38A	Yes	No	No	No	JXTKYJ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
GJJWV6	Yes	No	No	No	KKNLQD	Yes	No	No	No
GPNTJC	Yes	No	No	No	KYNQBQ	Yes	No	No	No
GU7VQG	Yes	No	No	No	L4Y6EN	Yes	No	No	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
L7GHWQ	Yes	No	No	No	NNRQTN	Yes	No	No	No
LBCPL7	Yes	No	No	No	NQLUU4	Yes	No	No	No
LBYK4V	Yes	No	No	No	NT9T2E	Yes	No	No	No
LD8M68	Yes	No	No	No	NTLMGE	Yes	No	No	No
LF7JJ9	Yes	No	No	No	NTNCLC	Yes	No	No	No
LXQAJ8	Yes	No	No	No	NWMNHC	Yes	No	No	No
M3G7GW	Yes	No	No	No	P6VHAJ	Yes	No	No	No
M4C444	Yes	No	No	No	PAAX3V	Yes	No	No	No
M88D4C	Yes	No	No	No	PD786P	Yes	No	No	No
MDYMDA	Yes	No	No	No	PFGN8M	No Interp	No Interp	No Interp	No Interp
MEX9B4	Yes	No	No	No	PG9AT7	Yes	No	No	No
MJPC68	Yes	No	No	No	PGQQV8	Yes	No	No	No
MLB2V7	Yes	No	No	No	PL7JGY	No Interpretations Reported, DNA Analyzed for Database purposes only.			
MPR43B	Yes	No	No	No	PNAMQN	Yes	No	No	No
MQ2DTM	Yes	No	No	No	PRRL6J	Yes	No	No	No
MQRNZ4	Yes	No	No	No	QC7TTG	Yes	No	No	No
MX4Q7R	Yes	No	No	No	QCANN2	Yes	No	No	No
MYGXCM	Yes	No	No	No	R72JB9	No Interp	No Interp	No Interp	No
MZCFEN	Yes	No	No	No	RCPAVH	Yes	No	No	No
MZRRCR2	No Interpretations Reported, DNA Analyzed for Database purposes only.				REAGV6	Yes	No	No	No
N3TPV8	Yes	No	No	No	RPE48C	Yes	No	No	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
RV6VQY	Yes	No	No	No	UJGNBZ	Yes	No	No	No
RWQHP8	No Interp	No Interp	No Interp	No	UP3GKE	Yes	No	No	No
RY4URH	Yes	No	No	No	UUY3E3	Yes	No	No	No
RY6ECK	Yes	No	No	No	UWMG3C	Yes	No	No	No
T49D4G	Yes	No	No	No	UXYEA3	Yes	No	No	No
T9JQ4M	Yes	No	No	No	VB4WJG	Yes	No	No	No
TAFGGA	Yes	No	No	No	VDTFWT	Yes	No	No	No
TAHQJZ	Yes	No	No	No	VF2TEV	Yes	No	No	No
TBRDNZ	No Interpretations Reported, DNA Analyzed for Database purposes only.				VGREYD	Yes	No	No	No
TE99JJ	Yes	No	No	No	VRNMHF	Yes	No	No	No
TETJ37	Yes	No	No	No	VTGYBH	Yes	No	No	No
TKYKEF	Yes	No	No	No	VUGC3W	Yes	No	No	No
U2XUHP	Yes	No	No	No	VXJRCT	Yes	No	No	No
U3HQJX	Yes	No	No	No	W2RVY2	Yes	No	No	No
U8R42W	Yes	No	No	No	WA2NR9	Yes	No	No	No
UABGVZ	Yes	No	No	No	WCGZ4T	No Interpretations Reported, DNA Analyzed for Database purposes only.			
UDAX79	Yes	No	No	No	WN3QHC	Yes	No	No	No
UFENB3	Yes	No	No	No	WN9PYR	No Interpretations Reported, DNA Analyzed for Database purposes only.			
UFJ692	No Interpretations Reported, DNA Analyzed for Database purposes only.				WT2CJ8	No Interpretations Reported, DNA Analyzed for Database purposes only.			
UH7JXC	Yes	No	No	No	WT4G7P	Yes	No	No	No
UJ23YD	No Interpretations Reported, DNA Analyzed for Database purposes only.				WXBRRV	Yes	No	No	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
WY2G4J	Yes	No	No	No					
X2QM79	Yes	No	No	No					
X3GBFA	Yes	No	No	No					
X3LKRU	Yes	No	No	No					
X8DA3Y	No Interpretations Reported, DNA Analyzed for Database purposes only.								
XALMKZ	Yes	No	No	No					
XTDP22	Yes	No	No	No					
XTGL3F	Yes	No	No	No					
XY39HX	No Interpretations Reported, DNA Analyzed for Database purposes only.								
Y64KDV	Yes	No	No	No					
Y67YFG	Yes	No	No	No					
Y7HNVL	Yes	No	No	No					
YC6YWB	Yes	No	No	No					
YJZNBD	Yes	No	No	No					
Z2KEAD	Yes	No	No	No					
ZAC6LK	Yes	No	No	No					
ZBN26B	Yes	No	No	No					
ZGT33K	Yes	No	No	No					
ZJ679C	Yes	No	No	No					

DNA Interpretation				
Response Summary		Participants reporting DNA results: 227		
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	200	0	0	0
No	0	201	201	204
Inc	0	0	0	0
No Interpretation	5	4	4	1
No Response	0	0	0	0

Participants analyzing DNA for database purposes only: 22

Additional Comments

TABLE 5

WebCode	Additional Comments
23RQ8L	NR = No Result
2CEMB8	Items 3 and 4 Hematrace positive. Testing for the presence of human blood is performed with the ABACard HemaTrace test kit. This kit is known to cross-react with some species of the Mustelidae family and with higher primates.
2CU47Z	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
2FC7D7	NR = No Results. No comparisons performed.
2UYDA8	Portions of the extracts from Items 3 and 4 were tested for the presence of human blood using the HemaTrace test. Human blood WAS detected in these items. NOTE: The ABACard HemaTrace test kit is known to cross-react with some species of the Mustelidae family and with higher primates.
32UD9R	Authorized in STRs. Not authorized in YSTRs.
3A8PGQ	STRmix analysis was conducted on this test.
3JVXBL	Item 3 and 4 not processed forward. Authorized in in STRs and Y-STRs. Not assigned Y-STRs this PT cycle. Casework reference analyst; not authorized to report conclusions.
3TJ239	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using DNA Investigator Kit via QIA Symphony SP. Quantification: Item 3 and 4 were quantified using Quantifiler Trio DNA Quantitation Kit on QuantStudio 5. Amplifications: -Item 1 and Item 2 were amplified using the GlobalFiler Express kit on 9700 GeneAmp PCR System. -Item 3 and Item 4 were amplified using the GlobalFiler PCR Amplification Kit on 9700 GeneAmp PCR System. -Item 2 and Item 4 were also amplified using AmpFISTR YFiler kit on 9700 GeneAmp PCR System. Electrophoresis : -All electrophoresis were carried out on Genetic Analyzer 3500xL. Quality Control : -Reagent Blank, Positive Control and Negative Control were carried out through the analysis and all gave the intended results. NM represent non male profile.
4BA8TR	Y-STR not performed on Item 3 because it gave no T.Y value with Quantifiler Trio.
4EWLG2	NR = No results
4J9YG9	1) Extraction: -Item 1 and Item 2 were extracted using in-situ method. -Item 3 and Item 4 were extracted using the QIA Symphony DNA Investigator kit on QIA Symphony SP. 2) Quantification: -Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification kit on ABI QuantStudio 5 Real-Time PCR System. 3) Amplification: -Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit on ABI 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 4 were further amplified using AmpFISTR Y-Filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. 4) Electrophoresis: -Electrophoresis was carried out on Genetic Analyzer 3500xL for Item 1 and Item 2 (GlobalFiler Express), Item 3 and Item 4 (GlobalFiler). -Electrophoresis was also carried out on Genetic Analyzer 3500xL for Item 2 and Item 4 (Y-Filer). 5) Quality Control: Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. 6) NM represent Non-male profile.
4NLAEP	STRmix analysis was conducted on this test.
4U7AU2	NR=No Results
6DKNVP	Authorized in STRs. Not authorized in Y-STRs.
72WY42	ABA HemaTrace used to perform blood testing on Items 3 and 4, both Item 3 and Item 4 were positive for human blood. The ABA HemaTrace card is known to cross-react with some species of the Mustelidae family and higher primates. ND = No alleles/data detected.

TABLE 5

WebCode	Additional Comments
7PRTL	Authorized to report Rapid DNA (STRs). Not authorized in reporting Y-STRs or evidence samples. Items 3 and 4 not processed.
9LU8BV	NR= No Result
AEV8T3	Extraction: Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using the Chelex extraction method. Quantification: Item 3 and Item 4 were quantified using the Quantifiler Human DNA Quantification kit on the QuantStudio™ 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using the Globalfiler Express PCR Amplification Kit on the GeneAmp 9700 PCR System. Item 3 and Item 4 were amplified using the Globalfiler PCR Amplification Kit on the GeneAmp 9700 PCR System. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 2 and Item 4 using the AmpFISTR Y-filer PCR Amplification Kit on the GeneAmp 9700 PCR System. Electrophoresis: Electrophoresis was carried out on the Applied Biosystems 3500xl Genetic Analyzer with Genemapper ID-X Software for Item 1 and Item 2 (Globalfiler Express), Item 3 and Item 4 (Globalfiler). Electrophoresis for Y-Filer was carried out on the Applied Biosystems 3500xl with Genemapper ID-X Software for Item 2 and Item 4. Quality Control: Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results. NM = Non Male profile.
AKHRGV	NR = no results
ALDAHW	NR = No Result
ANED8X	"N/D" = "None Detected" when no alleles were obtained at a locus. DirectAmp Fusion profiling was also performed on Items 1 and 2, producing the same DNA profile as the traditional Fusion amplification. The extracts from Items 3 and 4 were tested for the presence of human blood using the ABACard HemaTrace test. Human blood was detected on Items 3 and 4. NOTE: The HemaTrace test is known to cross-react with some species of the Mustelidae family and with higher primates.
AVGT9L	Extraction: - Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIAAsymphony DNA Investigator Kit via QIAAsymphony SP. Quantification: - 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 4 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.
AWYU9F	Authorized in STRs. Not authorized in YSTRs.
BDUW7X	NR = No Results STRmix analysis was conducted on this test. The data reported out in this test is from analysis using Genemapper ID-X.
BE9TMG	STRmix analysis was completed on this test.
BHUDRK	Y-STR analysis was not performed on item 3 because no male DNA was detected using Quantifiler Trio.
BWTY3F	Not authorized in YSTRs. Differential extraction performed for Item 3 and Item 4 due to assigned laboratory personnel, -EF fraction of each sample reported.
C2FQGU	NR = no result
C6JUKW	NR = no results. Items 1, 2, 3, and 4 were analyzed using PowerPlex Fusion. Items 2, 3, and 4 were analyzed using Yfiler Plus. Items 1 and 2 were also analyzed using GlobalFiler Express on RapidHIT ID using ACE sample cartridges. Items 3 and 4 were also analyzed using GlobalFiler Express on RapidHIT ID using INTELPlus sample cartridges. Data reported out in this test is from analysis using GeneMapper ID-X. STRmix analysis was conducted on this test.

TABLE 5

WebCode	Additional Comments
C7VN3H	Item 1, Item 2, Item 3, and Item 4 were analyzed using PowerPlex Fusion. Item 2, Item 3, and Item 4 were analyzed using Yfiler Plus. Item 3 and Item 4 were also analyzed using Globalfiler Express on RapidHIT ID using the INTELPlus sample cartridge. Item 1 and Item 2 were also analyzed using GlobalFiler Express on RapidHIT ID using the ACE sample cartridge. Autosomal data for Item 3 and Item 4 is reported using PowerPlex Fusion. Autosomal data for Item 1 and Item 2 is reported using Globalfiler Express. Data reported out in this test is from analysis using Genemapper ID-X. STRmix analysis was conducted on this test. NR = No Results.
C9XP6Z	Power Plex Fusion 6C and GlobalFiler Express were both used for item 1.
CRDNPB	Casework reference analyst; not authorized to process evidence items or report conclusions. Items 3 and 4 not processed. Not authorized to perform Y-STR testing.
DEN9YG	Authorized in STRs. Not authorized in Y-STRs.
DQ2BKE	Authorized in STRs; not authorized in YSTRs.
DUBALE	STRmix analysis was conducted on this test.
DYA6F8	Authorized in STRs. Not authorized in Y-STRs.
E4EE3G	Extraction : Item 1 & Item 2 were extracted using in-situ method. Item 3 & Item 4 were extracted using QIASymphony extraction method. Quantitation : Item 3 & Item 4 were quantified using ABI Quantifiler Trio DNA Quantification Kit on ABI Quanstudio 5 Real Time PCR System. Amplification : Item 1, Item 2 were amplified using Globalfiler Express PCR Amplification Kit on the 9700 ABI GeneAmp PCR System. Item 3 & Item 4 were amplified using Globalfiler PCR Amplification Kit on the 9700 ABI GeneAmp PCR System. YSTR Amplification were carried out on Item 2 & Item 4 using AmpFLSTR Y-Filer Kit PCR Amplification Kit on 9700 ABI GeneAmp PCR System. Electrophoresis : Electrophoresis were carried out on ABI 3500xl Genetic Analyzer with Gene Mapper ID-X Software for Item 1, Item 2, Item 3 & Item 4. Electrophoresis for Y-Filer were carried out on ABI 3500xl Genetic Analyzer with Gene Mapper ID-X Software for Item 2 & Item 4. Quality Control : Reagent Blank, Positive Control and Negative Control were carried out throughout analysis and all give intended results. Abbreviation : NM - non male profile.
EG7DZQ	NR= no results
EHWE4U	HemaTrace was conducted on the questioned bloodstains. Testing for the presence of human blood is performed with the ABACard HemaTrace test kit. This kit is known to cross-react with some species of the Mustelidae family and with higher primates. ND = none detected.
EQVGED	There was a problem with Item 1. It was extracted twice in different runs with no results. Other samples in the run all produced results, indicating that it was not a reagent or instrument issue. The sample appeared to have multiple saturation "rings" indicating that somehow the blood sample had clotted prior to spotting. There was a small clot on the card that was taken for the second extraction, but had insufficient cells for DNA analysis. Consequently, no comparisons could be made to this sample. Inconclusive results were reported according to the laboratory policy on inconclusive data.
FV2JKT	NR=No Results. STRmix was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
GEQVUQ	Portions of the extracts from Item 3 and 4 were tested for the presence of human blood using the HemaTrace test. Human blood was detected on Item 3 and 4. Testing for the presence of human blood is performed with the ABACard HemaTrace test kit. This kit is known to cross-react with some species of the Mustelidae family and with higher primates. Direct Amp performed on Items 1 and 2. Profiles were concordant with the casework amp. N/A means loci not included in kit. None Detected means no allele detected at the loci.
H6FFEP	Note: 1) NR = No Results. 2) The interpretation was based on the GeneMapper ID-X data. 3) STRmix analysis was performed on ITEM 3.
HBNEWM	NR = No Result
HK2L76	Authorized in Rapid DNA (STRs); not authorized in reporting Y-STRs or evidence samples.

TABLE 5

WebCode	Additional Comments
HRBUZJ	The answers in the CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
HTQQRJ	Item 1, Item 2, Item 3, and Item 4 were tested and charted using the STR-based RapidINTEL Plus sample cartridge based on GlobalFiler Express chemistry and analyzed using an Applied Biosystems RapidHIT ID Instrument. All evidence will be retained at the [Laboratory] until the proficiency test results are confirmed, at which point the evidence will be discarded.
J4KRHT	STRmix analysis was conducted on this test.
JDPEWK	ND = Not Detected
KYNQBQ	Extraction: Item 1 and Item 2 were extracted using in-situ extraction method while Item 3 and Item 4 were extracted using QIAasympy DNA Investigator Kit via QIAasympy SP platform. Quantification: Item 3 and Item 4 were quantified using Quantifiler Trio DNA kit on RT-PCR QuantStudio 5 System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express kit on ProFlex PCR System while Item 3 and Item 4 were amplified using GlobalFiler kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 2 and Item 4 using AmFISTR Yfiler kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis of GlobalFiler Express for Item 1 and Item 2, GlobalFiler for Item 3 and Item 4, and Yfiler for Item 2 and Item 4 were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM: non-male profile.
L4Y6EN	NR indicates no results. STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
LBCPL7	STRmix analysis was conducted on this test.
LXQAJ8	STRmix analysis was conducted on this test.
M4C444	Authorized in STRs. Not authorized in YSTRs.
MEX9B4	Authorized in STRs. Not authorized in Y-STRs.
MJPC68	11, 13 at D16S539 in Questioned Item 3 were imbalanced.
MZRCR2	Databasing only; not authorized to process/report evidence samples. Items 3 and 4 not processed since they are evidence samples.
N3TPV8	NR=no results. STRmix analysis was conducted on Item 3. Data reported out is from analysis using GeneMapper ID-X.
NQLUU4	Item 1 was tested in the Yfiler Plus kit and no profile was obtained.
NT9T2E	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping, stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
NTNCLC	Samples labeled Item 1, Item 2, Item 3, and Item 4 were tested and charted using the STR-based RapidINTEL Plus sample cartridge based on GlobalFiler Express chemistry and analyzed using an Applied Biosystems RapidHIT ID Instrument. All evidence will be retained at the [Laboratory] until the proficiency test results are confirmed, at which point the evidence will be discarded.
NWMNHC	Items 1-4 were tested and charted using the RapidINTEL Plus cartridge, utilizing GlobalFiler Express chemistry. All evidence will be retained at [Laboratory] until the proficiency results are confirmed, at which point the evidence will be discarded.
PFGN8M	Test participant functions as Y-screen analyst and does not perform interpretations.

TABLE 5

WebCode	Additional Comments
PL7JGY	Databasing only; not authorized to process/report evidence samples. Items 3 and 4 not processed.
PRRL6J	NR= No Results. STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
QC7TTG	NR = No Results; STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
QCANN2	STRmix analysis was conducted on this test.
R72JB9	Y-STR testing required. GF completed on knowns due to failed quant standards.
T9JQ4M	The laboratory does not distinguish minor alleles as a probabilistic genotyping system is used and a stochastic threshold is not employed. Elevated stutter 15 was observed at locus at D8S1179 for sample 2(1) but is not reported in the STR results table. Blank spaces in the STR results table indicate that results were not obtained at that locus.
TAFGGA	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
TBRDNZ	No Y-STR testing was performed.
TKYKEF	Items 1, 2, 3, and 4 were analyzed using PowerPlex Fusion. Items 2, 3, and 4 were analyzed using Yfiler Plus. Items 3 and 4 were also analyzed using GlobalFiler Express on RapidHIT ID using an INTELPlus sample cartridge. Items 1 and 2 were also analyzed using GlobalFiler Express on RapidHIT ID using ACE sample cartridges. Data for Items 3 and 4 is reported using PowerPlex Fusion. Data for Items 1 and 2 is reported using GlobalFiler Express. Data reported out in this test is from analysis using GeneMapper ID-X. STRmix analysis was conducted on this test. NR= No Results.
U3HQJX	Y-STRs not performed; not authorized in Y-STRs. For Known Item 2 (R-04), at locus D18 alleles 17 and 18 are imbalanced.
U8R42W	Authorized in STRs. Not authorized in YSTRs.
UH7JXC	NR = No Results
UJ23YD	NR = No Results.
UP3GKE	ND = No Data
UWMG3C	NR = No Results
VB4WJG	STRmix analysis was conducted on this test.
VDTFWT	Authorized in STRs. Not authorized in YSTRs.
VF2TEV	Y-STR not performed. Not authorized in Y-STRs.
VGREYD	Testing for the presence of human blood is performed with the ABACard HemaTrace test kit. This kit is known to cross-react with some species of the Mustelidae family and with higher primates. ND = no data.
VUGC3W	STRmix analysis was conducted on this test.
VXJRK	Not authorized in YSTRs.
WA2NR9	NR=no result
WCGZ4T	Databasing only; not authorized to process/report evidence samples. Authorized in YSTRs but not assigned the PT cycle.
WN3QHC	STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GMID-X. NR = no results.

TABLE 5

WebCode	Additional Comments
WN9PYR	Not authorized in YSTRs. Casework reference analyst; not authorized to process/report evidence samples. Not authorized to report conclusions.
WXBRRV	STRmix analysis was conducted on this test.
X2QM79	NR=No Results
X3GBFA	NR=No Results. STRmix was used for analysis on this test but the data reported out was analyzed with Genemapper-IDX.
X3LKRU	Y-STRs not performed. Not Authorized in Y-STRs.
Y67YFG	Blank spaces in the STR results table indicate that results were not obtained at that locus. The laboratory does not distinguish minor alleles as a probabilistic genotyping system is used and a stochastic threshold is not employed. Elevated stutter was observed at locus D8S1179 for sample 2(1) but is not reported in the STR results table.
Y7HNVL	NR = no results
ZAC6LK	Authorized in STRs. Not authorized in YSTRs, YSTR testing not performed.

-End of Report-
(Appendix may follow)

Test No. 25-5805: DNA-Blood

DATA MUST BE SUBMITTED BY **Nov. 03, 2025, 11:59 p.m. EST** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: 843GZC

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

Scenario:

Police are investigating a physical assault involving a female victim and male suspect. The victim reports she was out for a run when the suspect allegedly stabbed her before fleeing the scene. The suspect was apprehended by police the same day.

Police are submitting to your laboratory a stain from the shirt (Item 3) and pants (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 (suspect's shirt) is positive for blood, and Item 4 (suspect's pants) is positive for blood. Also collected were known blood samples from the female victim (Item 1) and the male suspect (Item 2).

Items Submitted (Sample Pack S5):

Item 1: Known blood from the female victim

Item 2: Known blood from the male suspect

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

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

Part I: DNA Results for Known Item 1

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

STR Amplification Kit(s) Used:

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

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

Report the Probabilistic Genotyping Software Used (if applicable):

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

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

Part I (continued): DNA Analysis - Additional DNA

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

Locus	Item 1	Item 2	Item 3	Item 4

Part II: DNA INTERPRETATION

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

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

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

Part III: ADDITIONAL COMMENTS

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

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

Survey Question

1: Does your agency utilize Rapid DNA technology? If so, please provide the following information to help guide future proficiency test development: the instrument and cartridge/chip used, the most common substrate and body fluid analyzed, and the typical application context (e.g., reference samples only, comparison between known and questioned samples, etc.).

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)