



DNA-Semen Test No. 25-5804

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 226 participants and are compiled into the following tables:

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

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

Manufacturer's Information

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

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

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

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

Item	Known/ Questioned	Substrate	Body Fluid	Volume (Mixture Ratio)	Sex	Donor Information
1	Known	White Fabric	Blood	50 µL	Female	Victim
2	Known	White Fabric	Blood	50 µL	Male	Suspect
3	Questioned	Pink Fabric	Blood	50 µL	Female	Additional Female
4	Questioned	Yellow Fabric	Blood/Semen	50 µL (1:1)	Female/Male	Victim/Additional Male

Manufacturer's Information, continued

Amelogenin and STR Results						
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>						
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	
1	14,16.3	16,17	13,14	15,15	12,12	*
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26	2,2,5	10,15	17,28.2	6,8	6,11
	16,17	NM	NM	NM	NM	
2	15,17.3	16,22	14,14	17,17	11,12	*
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17	2	
3	15,16	22,23	11,12	15,16	12,13	*
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17	NM	NM	NM	NM	
4-Blood	14,16.3	16,17	13,14	15,15	12,12	*
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26	2,2,5	10,15	17,28.2	6,8	6,11
	16,17	NM	NM	NM	NM	
4-Semen	15.3,16.3	17,25	10,14	12,18	12,12	*
	9,10	13,13	13,13	17,20	8,11	9,12
	13,16	12,14	31,2,32.2	15,15	X,Y	11,12
	20,22	9,12	10,14	15,17	6,7	8,12
	16,18	11	17	17	2	

YSTR Results									
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>									
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
2	39,40	13	17,18	13	31	24	10	11	13
	14	10	12	19	33	15	17	10	25
	41	10	12	17	17	20	23	13	11
4-Semen	35,35	14	11,14	13	29	21	11	13	13
	15	12	12	19	30	18	17	10	22
	37	14	12	17	17	21	23	10	12

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

Data were returned by 226 participants.

DNA Analysis

For STR results, all participants reported consistent results, with the exception of eighteen participants which reported an inconsistent result for one or more items. A majority of inconsistent results were noted for Item 4-Blood in which most participants were missing an allele at one or more loci. Of the eleven participants that were missing alleles, nine were missing a "16" allele at locus D2S1338.

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

DNA Interpretations

Of the 226 participants that returned DNA results, 213 reported DNA interpretations for one or both questioned stains. Eight participants selected the "No Interpretation" option for each conclusion, three stated the samples were analyzed for database purposes only, one did not respond for each conclusion, and one did not provide a response for Item 3 conclusions and selected the "No Interpretation" option for Item 4 conclusions.

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

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

STR Amplification Kit(s) & Results

TABLE 1

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

Item 1 - STR Results

29JX2D	GlobalFiler™					
		14,16.3	16,17	13,14	15,15	12,12
1		11,11	13,14	14,16	17,23	12,13
		17,17	14,14	28,28	11,15	X,X
		22,26	--	--	17,28.2	6,8
		16,17	--	--	--	6,11
2B72NX	PowerPlex® Fusion 5C					
		14,16.3	16,17	13,14	15,15	12,12
1		11,11	13,14	14,16	17,23	12,13
		17,17	14,14	28,28	11,15	X,X
		22,26	2.2,5	10,15	-	6,8
		16,17	-	-	-	6,11
2B9UUK	PowerPlex® Fusion 5C					
		14,16.3	16,17	13,14	15	12
1		11	13,14	14,16	17,23	12,13
		17	14	28	11,15	X
		22,26	2.2,5	10,15		6,8
		16,17	NR			6,11
2BPQ9D	GlobalFiler™ Express					
		14,16.3	16,17	13,14	15,15	12,12
1		11,11	13,14	14,16	17,23	12,13
		17,17	14,14	28,28	11,15	X,X
		22,26			17,28.2	6,8
		16,17	No Result			6,11
					No Result	
2C4CML	GlobalFiler™					
		14,16.3	16,17	13,14	15	12
1		11	13,14	14,16	17,23	12,13
		17	14	28	11,15	X,X
		22,26			17,28.2	6,8
		16,17	NM			6,11
					NM	
2E6HY7	PowerPlex® Fusion 5C					
		14,16.3	16,17	13,14	15	12
1		11	13,14	14,16	17,23	12,13
		17	14	28	11,15	X
		22,26	2.2,5	10,15		6,8
		16,17				6,11

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

2EPYEA	PowerPlex® Fusion 6C				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15	17,28.2	6,8
	16,17				
2GUYME	GlobalFiler™				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	X,X
	22,26			17,28.2	6,8
	16,17				
2GYGKD	GlobalFiler™ (STRmix)				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				
2XLYBT	GlobalFiler™ Direct (STRmix)				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				
32ZG4G	GlobalFiler™ Express				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				
37VNPQ	GlobalFiler™				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				
39Y4TV	PowerPlex® Fusion 5C				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	X,X
	22,26	2.2,5	10,15		6,8
	16,17				

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

3BMFUM	GlobalFiler™ (TrueAllele)					
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
3KB94X	GlobalFiler™					
1	14,16.3	16,17	13,14	15,15	12,12	
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	XX	11,12
	22,26			17,28.2	6,8	6,11
	16,17	NR			NR	
3KPX34	PowerPlex® Fusion					
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					
3V98TH	PowerPlex® Fusion 5C					
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17	NR				
46VTCL	GlobalFiler™					
1	14,16.3	16,17	13,14	15,15	12,12	
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	XX	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
4A7LRR	PowerPlex® Fusion 6C (STRmix)					
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
	16,17					
4CEVG4	PowerPlex® Fusion					
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					

TABLE 1

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

Item 1 - STR Results

4EJYCR	GlobalFiler™ Direct				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				6,11
4FBHBR	PowerPlex® Fusion 6C (STRmix)				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15	17,28.2	6,8
	16,17				6,11
4H4BBG	GlobalFiler™ Express				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				6,11
4HF8FL	PowerPlex® Fusion 6C				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15	17,28.2	6,8
	16,17				6,11
4LFJBL	PowerPlex® Fusion 6C (STRmix 2.9)				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15	17,28.2	6,8
	16,17				6,11
4MD2HA	GlobalFiler™ (STRmix)				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				6,11
4MXAK7	PowerPlex® Fusion				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15		6,8
	16,17				6,11

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

4R7TLJ	GlobalFiler™				
	14,16.3	16,17	13,14	15	12
1	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X,X
	22,26			17,28.2	6,8
	16,17	NM			NM
6U8T49	GlobalFiler™ (STRmix)				
	14,16.3	16,17	13,14	15	12
1	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				
6X76Y9	GlobalFiler™ (STRmix)				
	14,16.3	16,17	13,14	15	12
1	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				
78VF6G	PowerPlex® Fusion				
	14,16.3	16,17	13,14	15	12
1	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15		6,8
	16,17	NR			
7FNT2V	Investigator® 24plex QS				
	14,16.3	16,17	13,14	15,15	12,12
1	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	X,X
	22,26			17,28.2	6,8
	16,17				
7LDBF7	PowerPlex® Fusion 6C				
	14,16.3	16,17	13,14	15	12
1	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15	17,28.2	6,8
	16,17				
7NHV9D	GlobalFiler™ Express				
	14,16.3	16,17	13,14	15	12
1	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				

TABLE 1

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

Item 1 - STR Results

7Q9Z2K	PowerPlex® Fusion 5C				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	X,X
	22,26	2.2,5	10,15	6,8	6,11
	16,17				
7RHAQW	PowerPlex® Fusion 6C				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	X,X
	22,26	2.2,5	10,15	17,28.2	6,8
	16,17				
7WD22E	PowerPlex® 21, GlobalFiler™				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15	17,28.2	6,8
	16,17				
83WLHY	PowerPlex® Fusion 5C				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15	6,8	6,11
	16,17				
8GC2UN	GlobalFiler™ Direct				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				
8MJDJG	GlobalFiler™ (Genemapper ID-x)				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X,X
	22,26			17,28.2	6,8
	16,17				
8Q2FN2	PowerPlex® Fusion				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15	6,8	6,11
	16,17				

TABLE 1

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

Item 1 - STR Results

8VCNTC	GlobalFiler™ Express					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
8WUE6H	GlobalFiler™ (Genemapper ID-x)					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X,X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
96FZLZ	PowerPlex® Fusion 5C					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					
98KZT6	GlobalFiler™ (STRmix™)					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
9E4WPL	GlobalFiler™ Express					
	14,16.3	16,17	13,14	15,15	12,12	
1	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26			17,28.2	6,8	6,11
	16,17	NR			NR	
9RPBLU	ESSplex_SE_QS					
	14,16.3	16,17	13,14	15,15		
1		13,14	14,16	17,23		11,11
	17,17	14,14	28,28	11,15	X,X	
	22,26			17,28.2	6,8	
	16,17					
9RQ7A7	GlobalFiler™ Express					
	14,16.3	16,17	13,14	15,15	12,12	
1	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26			17,28.2	6,8	6,11
	16,17	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

A2DGZD	GlobalFiler™					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X,X	11,12
	22,26			17,28.2	6,8	6,11
	16,17	NM			NM	
AB2CZT	PowerPlex® Fusion 6C					
	14,16.3	16,17	13,14	15,15	12,12	
1	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
	16,17					
ABYK9C	PowerPlex® Fusion					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17	NR				
AJCELT	PowerPlex® Fusion 6C					
	14,16.3	16,17	13,14	15,15	12,12	
1	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
	16,17					
ALZ9ZA	GlobalFiler™ Express					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
AYAX84	GlobalFiler™ (STRmix)					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
B7KATM	PowerPlex® Fusion 5C					
	14,16.3	16,17	13,14	15,15	12,12	
1	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					

TABLE 1

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

Item 1 - STR Results

BG7DX2	PowerPlex® Fusion 6C				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15	17,28.2	6,8
	16,17				
BHX4TZ	GlobalFiler™ Direct (STRmix)				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				
BJ8EZJ	PowerPlex® Fusion 6C (STRmix)				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15	17,28.2	6,8
	16,17				
BLELYL	PowerPlex® Fusion 5C				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15		6,8
	16,17				
BVKDDJ	GlobalFiler™ Direct				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				
BYJP9J	GlobalFiler™ Direct				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				
BZDDTZ	GlobalFiler™ Direct				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				

TABLE 1

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

Item 1 - STR Results

C64DY3	GlobalFiler™ Express				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	X,X
	22,26			17,28.2	6,8
	16,17	NR			NR
C979LC	GlobalFiler™				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X,X
	22,26			17,28.2	6,8
	16,17	NM			NM
CD23JD	Investigator® 24plex QS, Flex PLEX 27				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	X,X
	22,26	N/A	10,15	17,28.2	6,8
	16,17	N/A	N/A	N/A	N/A
CLVB3H	PowerPlex® Fusion 6C (STRmix)				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15	17,28.2	6,8
	16,17				
CVLTHC	Investigator® 24plex QS				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	X,X
	22,26	N/A	N/A	17,28.2	6,8
	16,17	N/A	N/A	N/A	N/A
CVX64F	NGM SElect				
1	14,16.3	16,17	13,14	15	
		13,14	14,16	17,23	11
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				
CVZHHH	PowerPlex® Fusion 6C (STRmix)				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15	17,28.2	6,8
	16,17				

TABLE 1

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

Item 1 - STR Results

CWTBD2	GlobalFiler™ Express				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	X,X
	22,26			17,28.2	6,8
	16,17	No Result			No Result
D4BBGX	GlobalFiler™ Direct				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				
D4BD73	GlobalFiler™				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	X,X
	22,26			17,28.2	6,8
	16,17	--			--
D7EU9L	PowerPlex® Fusion 5C				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	X,X
	22,26	2.2,5	10,15		6,8
	16,17				
DAU8BU	GlobalFiler™				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	X
	22,26			17,28.2	6,8
	16,17				
DH7KVB	NGM SElect				
1	14,16.3	16,17	13,14	15,15	
		13,14	14,16	17,23	
	17,17	14,14	28,28	11,15	X,X
	22,26			17,28.2	6,8
	16,17				
DTN6B2	GlobalFiler™ Express				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	X,X
	22,26			17,28.2	6,8
	16,17	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

E9WDQV	PowerPlex® Fusion				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15		6,8
	16,17				6,11
E9XK3F	GlobalFiler™ Direct				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				6,11
EBNEUX	PowerPlex® Fusion 6C				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15	17,28.2	6,8
	16,17				6,11
EFH9UK	PowerPlex® Fusion 5C				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	XX
	22,26	2.2,5	10,15		6,8
	16,17				6,11
ELKFB9	GlobalFiler™				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				6,11
EW3ZTJ	GlobalFiler™				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				6,11
EYMJGF	GlobalFiler™, ArgusX				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				6,11

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

EZNJXM	Investigator® 24plex QS				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	X,X
	22,26			17,28.2	6,8
	16,17				6,11
FBGWHX	GlobalFiler™ (STRmix)				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				6,11
FKP2HN	GlobalFiler™				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	X,X
	22,26			17,28.2	6,8
	16,17				6,11
FUW7JX	GlobalFiler™ (STRmix)				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				6,11
FW3JUR	PowerPlex® Fusion 5C				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15		6,8
	16,17				6,11
GA3FRJ	Investigator® 24plex GO!				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	X,X
	22,26			17,28.2	6,8
	16,17				6,11
GA68N7	PowerPlex® Fusion 6C				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	X,X
	22,26	2.2,5	10,15	17,28.2	6,8
	16,17	-	-	-	n/a

TABLE 1

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

GDHMXB	GlobalFiler™					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
HAZANV	GlobalFiler™					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
HBVRPW	GlobalFiler™ Express					
	14,16.3	16,17	13,14	15,15	12,12	
1	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26			17,28.2	6,8	6,11
	16,17	NR			NR	
HFL3ZU	PowerPlex® Fusion 6C					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
	16,17					
HGZPD3	PowerPlex® Fusion					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17	NR				
HLVTCU	GlobalFiler™					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
HRFJPV	GlobalFiler™ Express					
	14,16.3	16,17	13,14	15,15	12,12	
1	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26			17,28.2	6,8	6,11
	16,17	No results			No results	

TABLE 1

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

Item 1 - STR Results

HVY9XR	GlobalFiler™					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
HZRD7J	Investigator® 24plex GO					
	14,16.3	16,17	13,14	15,15	12,12	
1	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
J3EEMQ	PowerPlex® Fusion					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					
J6YLLE	GlobalFiler™					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
J7EPHQ	PowerPlex® Fusion 5C					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					
J8A9KR	PowerPlex® Fusion 6C					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
	16,17					
J8QYFB	GlobalFiler™ Direct					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					

TABLE 1

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

Item 1 - STR Results

J9MXM6	Investigator® 24plex GO					
1	14,16.3	16,17	13,14	15,15	12,12	N/A
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26	N/A	N/A	17,28.2	6,8	6,11
	16,17	N/A	N/A	N/A	N/A	
JC6ZTP	PowerPlex® Fusion					
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					
JEMEXB	GlobalFiler™ Express					
1	14,16.3	16,17	13,14	15,15	12,12	
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26			17,28.2	6,8	6,11
	16,17	NR			NR	
JKBEJA	PowerPlex® 6C					
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.5,5	10,15	17,28.2	6,8	6,11
	16,17	NID	NID	NID		
JPUYJR	PowerPlex® Fusion 6C					
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
	16,17					
JTMT4Q	GlobalFiler™ Direct					
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
K87ZV6	GlobalFiler™					
1	14,16.3	16,17	13,14	15,15	12,12	
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					

TABLE 1

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

Item 1 - STR Results

KJEHBR	GlobalFiler™ (STRmix)					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
KQULCL	PowerPlex® Fusion					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					
KUXF87	PowerPlex® Fusion					
	14,16.3	16,17	13,14	15,15	12,12	
1	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	XX	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					
KVAQTA	GlobalFiler™					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
L9VU7E	GlobalFiler™					
	14,16.3	16,17	13,14	15,15	12,12	
1	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	XX	11,12
	22,26			17,28.2	6,8	6,11
	16,17	NR			NR	
LCUHR9	GlobalFiler™ Direct					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
LFTLCM	PowerPlex® Fusion 5C					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					

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

LMF7JA	PowerPlex® Fusion 6C					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
	16,17					
LMF99E	GlobalFiler™					
	14,16.3	16,17	13,14	15,15	12,12	
1	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	XX	11,12
	22,26			17,28.2	6,8	6,11
	16,17	NR			NR	
LNLX8G	GlobalFiler™					
	14,16.3	16,17	13,14	15,15	12,12	
1	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	XX	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
LPGCZZ	PowerPlex® Fusion 5C					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17	NR				
LQCV33	GlobalFiler™					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	XX	11,12
	22,26			17,28.2	6,8	6,11
	16,17	NM			NM	
LYPL97	GlobalFiler™					
	14,16.3	16,17	13,14	15,15	12,12	
1	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	XX	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
M34GQP	GlobalFiler™					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					

TABLE 1

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

Item 1 - STR Results

M3ZGL3	GlobalFiler™					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
M8HJQM	PowerPlex® Fusion 5C					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					
MKJPRP	PowerPlex® 35GY					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
	16,17					
MPEJM7	GlobalFiler™					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
MV7CR2	Investigator® 24plex GO					
	14,16.3	16,17	13,14	15,15	12,12	N/A
1	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	XX	11,12
	22,26	N/A	N/A	17,28.2	6,8	6,11
	16,17	N/A	N/A	N/A	N/A	
MVPZCG	GlobalFiler™					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
MY46UP	GlobalFiler™					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					

TABLE 1

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

Item 1 - STR Results

MYNEWL	PowerPlex® Fusion					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					
N6LVUP	GlobalFiler™ (STRmix)					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
N7WWFN	GlobalFiler™ (STRmix)					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
NBUJ8Q	GlobalFiler™					
	14,16.3	16,17	13,14	15,15	12,12	
1	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	XX	11,12
	22,26			17,28.2	6,8	6,11
	16,17	--			--	
NEQ3AP	GlobalFiler™ (STRmix)					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
NF43L7	PowerPlex® Fusion 6C					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
	16,17					
NF7UDM	PowerPlex® Fusion 6C					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
	16,17					

TABLE 1

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

Item 1 - STR Results

NGWVGP	GlobalFiler™					
		14,16.3	16,17	13,14	15	12
1		11	13,14	14,16	17,23	12,13
		17	14	28	11,15	X
		22,26			17,28.2	6,8
		16,17				6,11
NL9DK6	PowerPlex® Fusion 6C					
		14,16.3	16,17	13,14	15	12
1		11	13,14	14,16	17,23	12,13
		17	14	28	11,15	X
		22,26	2.2,5	10,15	17,28.2	6,8
		16,17	NID	NID	NID	6,11
NQ6PBH	GlobalFiler™					
		14,16.3	16,17	13,14	15,15	12,12
1		11,11	13,14	14,16	17,23	12,13
		17,17	14,14	28,28	11,15	X,X
		22,26	--	--	17,28.2	6,8
		16,17	--	--	--	6,11
NTT2D9	GlobalFiler™					
		14,16.3	16,17	13,14	15	12
1		11	13,14	14,16	17,23	12,13
		17	14	28	11,15	X
		22,26			17,28.2	6,8
		16,17				6,11
NWELHD	Investigator® 24plex GO!					
		14,16.3	16,17	13,14	15,15	12,12
1		11,11	13,14	14,16	17,23	12,13
		17,17	14,14	28,28	11,15	X,X
		22,26			17,28.2	6,8
		16,17				6,11
P3Y4DZ	Investigator® 24plex QS, FlexPlex ANDE					
		14,16.3	16,17	13,14	15,15	12,12
1		11,11	13,14	14,16	17,23	12,13
		17,17	14,14	28,28	11,15	X,X
		22,26	N/A	10,15	17,28.2	6,8
		16,17	N/A	N/A	N/A	6,11
PE8928	GlobalFiler™					
		14,16.3	16,17	13,14	15	12
1		11	13,14	14,16	17,23	12,13
		17	14	28	11,15	X
		22,26			17,28.2	6,8
		16,17				6,11

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

PJ33WM	GlobalFiler™					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
PJLJGW	GlobalFiler™					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
PKV7W3	GlobalFiler™					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
PW8WT7	PowerPlex® Fusion 6C					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
	16,17					
PXZUZD	PowerPlex® Fusion 5C					
	14,16.3	16,17	13,14	15,15	12,12	
1	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	XX	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					
Q3V22Z	PowerPlex® Fusion					
	14,16.3	16,17	13,14	15,15	12,12	
1	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	XX	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					
Q7QPJT	GlobalFiler™ Express					
	14,16.3	16,17	13,14	15	12	
1	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17	no results			no results	

TABLE 1

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

Item 1 - STR Results

QFWWYT	GlobalFiler™ Express					
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17	no results			no results	
QH7JVL	PowerPlex® Fusion 6C					
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
	16,17					
QKR4K4	GlobalFiler™ Direct					
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
QMD9B9	GlobalFiler™					
1	14,16.3	16,17	13,14	15,15	12,12	
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	XX	11,12
	22,26			17,28.2	6,8	6,11
	16,17	NR			NR	
QQG4UC	PowerPlex® Fusion 6C					
1	14,16.3	16,17	13,14	15,15	12,12	
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	XX	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
	16,17					
QXDUXV	PowerPlex® Fusion					
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17	NR				
QXZ9QH	PowerPlex® Fusion					
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					

TABLE 1

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

Item 1 - STR Results

R3MGQ3	PowerPlex® Fusion 6C (STRmix)				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15	17,28.2	6,8
	16,17				
R4FALL	GlobalFiler™				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				
RCAEEM	GlobalFiler™ Express				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	XX
	22,26			17,28.2	6,8
	16,17	NR			NR
RJB7T4	GlobalFiler™ Direct				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				
RUDJQJ	GlobalFiler™ Direct (STRmix)				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				
RWHJZB	PowerPlex® ESX-17, Fusion 6C 6C, VerFilerPlus				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	XX
	22,26	2.2,5	10,15	17,28.2	6,8
	16,17				
RZEXCK	GlobalFiler™ (STRmix)				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				

TABLE 1

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

Item 1 - STR Results

RZJL8Z		PowerPlex® Fusion 5C				
1	14,16.3	16,17	13,14	15,15	12,12	
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					
T4G2ZZ		PowerPlex® Fusion 6C				
1	14,16.3	16,17	13,14	15,15	12,12	
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
	16,17	ND	ND	ND		
T739GV		Investigator® 24plex QS				
1	14,16.3	16,17	13,14	15,15	12,12	N/A
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26	N/A	N/A	17,28.2	6,8	6,11
	16,17	N/A	N/A	N/A	N/A	
T8E6KE		PowerPlex® Fusion 5C				
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					
TA2PPJ		PowerPlex® Fusion 6C				
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
	16,17					
TBF9C2		PowerPlex® Fusion 6C				
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
	16,17					
TC97J9		PowerPlex® Fusion 5C				
1	14,16.3	16,17	13,14	15,15	12,12	
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					

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

TK2RYZ	GlobalFiler™					
	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
TLWXB8	GlobalFiler™					
	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
TYH6AT	PowerPlex® Fusion					
	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
U2QM4H	PowerPlex® Fusion 6C					
	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
U8AHPY	GlobalFiler™ Direct					
	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
UEFJ82	PowerPlex® Fusion 6C (STRmix)					
	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
UHTGD4	Investigator® 24plex QS					
	14,16.3	16,17	13,14	15,15	12,12	
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	XX	11,12
	22,26			17,28.2	6,8	6,11

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

UKF2H8	Investigator® 24plex QS					
1	14,16.3	16,17	13,14	15,15	12,12	
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
UKGTEU	Investigator® 24plex QS/GO					
1	14,16.3	16,17	13,14	15,15	12,12	n/a
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26	n/a	n/a	17,28.2	6,8	6,11
	16,17	N/A	n/a	n/a	n/a	
UKWCYR	PowerPlex® Fusion					
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17	NR				
UPDGTf	PowerPlex® Fusion 6C					
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
	16,17					
V2WQQ6	PowerPlex® Fusion 5C					
1	14,16.3	16,17	13,14	15,15	12,12	
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					
V6LVP4	PowerPlex® Fusion 5c					
1	14,16.3	16,17	13,14	15,15	12,12	
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					
V7WUKD	PowerPlex® Fusion					
1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					

TABLE 1

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

Item 1 - STR Results

VB9GWQ PowerPlex® Fusion 5C

1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17	NR				

VJ2X68 GlobalFiler™

1	14,16.3	16,17	13,14	15,15	12,12	
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	XX	11,12
	22,26			17,28.2	6,8	6,11
	16,17					

VQ37Q2 GlobalFiler™

1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					

VRDB4Q PowerPlex® Fusion

1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17	NR				

VW9E3G GlobalFiler™ (STRmix)

1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					

W2FTET PowerPlex® Fusion 6C

1	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
	16,17					

W6H4FF PowerPlex® 35GY

1	14,16.3	16,17	13,14	15,15	12,12	
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	XX	11,12
	22,26	2.2,5	10,15	17,28.2	6,8	6,11
	16,17					

TABLE 1

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

Item 1 - STR Results

WE4ABY	GlobalFiler™ Direct				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	X,X
	22,26			17,28.2	6,8
	16,17				6,11
X77JXA	PowerPlex® Fusion 5C				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15		6,8
	16,17				6,11
XD7D3F	GlobalFiler™ (STRmix)				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				6,11
XEJDFX	PowerPlex® Fusion 6C (STRmix)				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15	17,28.2	6,8
	16,17				6,11
XJVF2T	PowerPlex® Fusion 5C				
1	14,16.3	16,17	13,14	15,15	12,12
	11,11	13,14	14,16	17,23	12,13
	17,17	14,14	28,28	11,15	X,X
	22,26	2.2,5	10,15		6,8
	16,17				6,11
YR683B	PowerPlex® Fusion				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15		6,8
	16,17				6,11
YURQ8E	GlobalFiler™				
1	14,16.3	16,17	13,14	15	12
	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				6,11

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

YVMAAF	GlobalFiler™ Express					
	14,16.3	16,17	13,14	15,15	12,12	
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26			17,28.2	6,8	6,11
	16,17	NR			NR	
Z68VWP	GlobalFiler™					
	14,16.3	16,17	13,14	15,15	12,12	
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
Z6KMML	PowerPlex® Fusion 5C					
	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17	NR				
Z8CQD8	PowerPlex® Fusion					
	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					
Z9KB8U	GlobalFiler™ Direct (STRMix)					
	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					
ZBB2A8	PowerPlex® Fusion 5C					
	14,16.3	16,17	13,14	15	12	
	11	13,14	14,16	17,23	12,13	11
	17	14	28	11,15	X	11,12
	22,26	2.2,5	10,15		6,8	6,11
	16,17					
ZN2VL2	Investigator® 24plex QS					
	14,16.3	16,17	13,14	15,15	12,12	
	11,11	13,14	14,16	17,23	12,13	11,11
	17,17	14,14	28,28	11,15	X,X	11,12
	22,26			17,28.2	6,8	6,11
	16,17					

TABLE 1

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

Item 1 - STR Results

ZQ6PHK	PowerPlex® ESX17				
	14,16.3	16,17	13,14	15	
1		13,14	14,16	17,23	11
	17	14	28	11,15	X
	22,26			17,28.2	6,8
	16,17				
ZTQBB9	PowerPlex® Fusion				
	14,16.3	16,17	13,14	15	12
1	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15		6,8
	16,17				6,11
ZZAEHB	PowerPlex® Fusion 6C				
	14,16.3	16,17	13,14	15	12
1	11	13,14	14,16	17,23	12,13
	17	14	28	11,15	X
	22,26	2.2,5	10,15	17,28.2	6,8
	16,17				6,11

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

29JX2D	GlobalFiler™					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	--	--	17,18	6,9	8,11
	17,18	10	--	--	2	
2B72NX	PowerPlex® Fusion 5C					
	15,17.3	16,22	14,14	17,17	11,12	-
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	9,13	5,21	-	6,9	8,11
	17,18	10	-	-	-	
2B9UKK	PowerPlex® Fusion 5C					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
2BPQ9D	GlobalFiler™ Express					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
2C4CML	GlobalFiler™					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
2E6HY7	PowerPlex® Fusion 5C					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
2EPYEA	PowerPlex® Fusion 6C					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		

TABLE 1

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

Item 2 - STR Results

2GUYME	GlobalFiler™					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
2GYGKD	GlobalFiler™ (STRmix)					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
2XLYBT	GlobalFiler™ Direct (STRmix)					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
32ZG4G	GlobalFiler™ Express					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
37VNPQ	GlobalFiler™					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
39Y4TV	PowerPlex® Fusion 5C					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
3BMFUM	GlobalFiler™ (TrueAllele)					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	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 2 - STR Results

3KB94X	GlobalFiler™					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,[18]	6,9	8,11
	17,18	10			2	
3KPX34	PowerPlex® Fusion					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
3V98TH	PowerPlex® Fusion 5C					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
46VTCL	GlobalFiler™					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
4A7LRR	PowerPlex® Fusion 6C					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
4CEVG4	PowerPlex® Fusion					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
4EJYCR	GlobalFiler™ Direct					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	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 2 - STR Results

4FBHBR	PowerPlex® Fusion 6C					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
4H4BBG	GlobalFiler™ Express					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
4HF8FL	PowerPlex® Fusion 6C					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
4LFJBL	PowerPlex® Fusion 6C (STRmix 2.9)					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
4MD2HA	GlobalFiler™ (STRmix)					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
4MXAK7	PowerPlex® Fusion					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
4R7TLJ	GlobalFiler™					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	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 2 - STR Results

6U8T49	GlobalFiler™ (STRmix)					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
6X76Y9	GlobalFiler™ (STRmix)					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
78VF6G	PowerPlex® Fusion					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
7FNT2V	Investigator® 24plex QS					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10				
7LDBF7	PowerPlex® Fusion 6C					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
7NHV9D	GlobalFiler™ Express					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
7Q9Z2K	PowerPlex® Fusion 5C					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	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 2 - STR Results

7RHAQW	PowerPlex® Fusion 6C				
2	15,17.3	16,22	14,14	17,17	11,12
	11,11	12,13	13,15	18,19	9,10
	13,14	13,15	30,30	15,17	X,Y
	25,27	9,13	5,21	17,18	6,9
	17,18	10	17	17	8,11
7WD22E	PowerPlex® 21, GlobalFiler™				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27	9,13	5,21	17,18	6,9
	17,18	10		2	11,17
83WLHY	PowerPlex® Fusion 5C				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27	9,13	5,21		6,9
	17,18	10			8,11
8GC2UN	GlobalFiler™ Direct				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10		2	8,11
8MJDJG	GlobalFiler™ (Genemapper ID-x)				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10		2	8,11
8Q2FN2	PowerPlex® Fusion				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27	9,13	5,21		6,9
	17,18	10			8,11
8VCNTC	GlobalFiler™ Express				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10		2	8,11

TABLE 1

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

Item 2 - STR Results

8WUE6H	GlobalFiler™ (Genemapper ID-x)				
	15,17.3	16,22	14	17	11,12
2	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10			8,11
					2
96FZLZ	PowerPlex® Fusion 5C				
	15,17.3	16,22	14	17	11,12
2	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27	9,13	5,21		6,9
	17,18	10			8,11
98KZT6	GlobalFiler™ (STRmix™)				
	15,17.3	16,22	14	17	11,12
2	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10			8,11
					2
9E4WPL	GlobalFiler™ Express				
	15,17.3	16,22	14,14	17,17	11,12
2	11,11	12,13	13,15	18,19	9,10
	13,14	13,15	30,30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10			8,11
					2
9RPBLU	ESSPlex_SE_QS				
	15,17.3	16,22	14,14	17,19	
2		12,13	13,15	18,19	11,12
	13,14	13,15	30,30	15,17	X,Y
	25,27			17,18	6,9
	17,18				
9RQ7A7	GlobalFiler™ Express				
	15,17.3	16,22	14,14	17,17	11,12
2	11,11	12,13	13,15	18,19	9,10
	13,14	13,15	30,30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10			8,11
					2
A2DGZD	GlobalFiler™				
	15,17.3	16,22	14	17	11,12
2	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10			8,11
					2

TABLE 1

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

Item 2 - STR Results

AB2CZT	PowerPlex® Fusion 6C					
2	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
ABYK9C	PowerPlex® Fusion					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
AJCELT	PowerPlex® Fusion 6C					
2	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
ALZ9ZA	GlobalFiler™ Express					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
AYAX84	GlobalFiler™ (STRmix)					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
B7KATM	PowerPlex® Fusion 5C					
2	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
BG7DX2	PowerPlex® Fusion 6C					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		

TABLE 1

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

Item 2 - STR Results

BHX4TZ	GlobalFiler™ Direct (STRmix)					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
BJ8EZJ	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
BLELYY	PowerPlex® Fusion 5C					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
BVKDDJ	GlobalFiler™ Direct					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
BYJP9J	GlobalFiler™ Direct					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
BZDDTZ	GlobalFiler™ Direct					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
C64DY3	GlobalFiler™ Express					
	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	

TABLE 1

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

Item 2 - STR Results

C979LC	GlobalFiler™					
		15,17.3	16,22	14	17	11,12
2		11	12,13	13,15	18,19	9,10
		13,14	13,15	30	15,17	X,Y
		25,27		17,18	6,9	8,11
		17,18	10		2	
CD23JD	Investigator® 24plex GO!					
		15,17.3	16,22	14,14	17,17	11,12
2		11,11	12,13	13,15	18,19	9,10
		13,14	13,15	30,30	15,17	X,Y
		25,27	N/A	N/A	17,18	6,9
		17,18	10	N/A	N/A	8,11
CLVB3H	PowerPlex® Fusion 6C (STRmix)					
		15,17.3	16,22	14	17	11,12
2		11	12,13	13,15	18,19	9,10
		13,14	13,15	30	15,17	X,Y
		25,27	9,13	5,21	17,18	6,9
		17,18	10	17		8,11
CVLTHC	Investigator® 24plex QS					
		15,17.3	16,22	14,14	17,17	11,12
2		11,11	12,13	13,15	18,19	9,10
		13,14	13,15	30,30	15,17	X,Y
		25,27	N/A	N/A	17,18	6,9
		17,18	10	N/A	N/A	8,11
CVX64F	NGM SElect					
		15,17.3	16,22	14	17	
2			12,13	13,15	18,19	11,12
		13,14	13,15	30	15,17	X,Y
		25,27		17,18	6,9	
		17,18				
CVZHHH	PowerPlex® Fusion 6C (STRmix)					
		15,17.3	16,22	14	17	11,12
2		11	12,13	13,15	18,19	9,10
		13,14	13,15	30	15,17	X,Y
		25,27	9,13	5,21	17,18	6,9
		17,18	10	17		8,11
CWTBD2	GlobalFiler™ Express					
		15,17.3	16,22	14,14	17,17	11,12
2		11,11	12,13	13,15	18,19	9,10
		13,14	13,15	30,30	15,17	X,Y
		25,27		17,18	6,9	8,11
		17,18	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 2 - STR Results

D4BBGX	GlobalFiler™ Direct					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
D4BD73	GlobalFiler™					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
D7EU9L	PowerPlex® Fusion 5C					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
DAU8BU	GlobalFiler™					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
DH7KVB	NGM SElect					
	15,17.3	16,22	14,14	17,17		
2		12,13	13,15	18,19		11,12
	13,14	13,15	30,30	15,17	X,Y	
	25,27			17,18	6,9	
	17,18					
DTN6B2	GlobalFiler™ Express					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
E9WDQV	PowerPlex® Fusion					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	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 2 - STR Results

E9XK3F	GlobalFiler™ Direct				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10			8,11
EBNEUX	PowerPlex® Fusion 6C				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27	9,13	5,21	17,18	6,9
	17,18	10	17	17	8,11
EFH9UK	PowerPlex® Fusion 5C				
2	15,17.3	16,22	14,14	17,17	11,12
	11,11	12,13	13,15	18,19	9,10
	13,14	13,15	30,30	15,17	X,Y
	25,27	9,13	5,21		6,9
	17,18	10			8,11
ELKFB9	GlobalFiler™				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10			8,11
EW3ZTJ	GlobalFiler™				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10			8,11
EYMJGF	GlobalFiler™, ArgusX				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10			8,11
EZNJXM	Investigator® 24plex QS				
2	15,17.3	16,22	14,14	17,17	11,12
	11,11	12,13	13,15	18,19	9,10
	13,14	13,15	30,30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10			8,11

TABLE 1

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

Item 2 - STR Results

FBGWHX	GlobalFiler™ (STRmix)					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
FKP2HN	GlobalFiler™					
2	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
FUW7JX	GlobalFiler™ (STRmix)					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
FW3JUR	PowerPlex® Fusion 5C					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
GA3FRJ	Investigator® 24plex GO!					
2	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10				
GA68N7	PowerPlex® Fusion 6C					
2	15,17.3	16,22	14,14	17,17	11,12	n/a
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17	n/a	
GDHMXB	GlobalFiler™					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	

TABLE 1

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

Item 2 - STR Results

HAZANV	GlobalFiler™				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10			8,11
HBVRPW	GlobalFiler™ Express				
2	15,17.3	16,22	14,14	17,17	11,12
	11,11	12,13	13,15	18,19	9,10
	13,14	13,15	30,30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10			8,11
HFL3ZU	PowerPlex® Fusion 6C				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27	9,13	5,21	17,18	6,9
	17,18	10	17	17	8,11
HGZPD3	PowerPlex® Fusion				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27	9,13	5,21		6,9
	17,18	10			8,11
HLVTCU	GlobalFiler™				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10			8,11
HRFJPV	GlobalFiler™ Express				
2	15,17.3	16,22	14,14	17,17	11,12
	11,11	12,13	13,15	18,19	9,10
	13,14	13,15	30,30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10			8,11
HVY9XR	GlobalFiler™				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10			8,11

TABLE 1

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

Item 2 - STR Results

HZRD7J	Investigator® 24plex GO					
	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10				
J3EEMQ	PowerPlex® Fusion					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
J6YLLE	GlobalFiler™					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
J7EPHQ	PowerPlex® Fusion 5C					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
J8A9KR	PowerPlex® Fusion 6C					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
J8QYFB	GlobalFiler™ Direct					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
J9MXM6	Investigator® 24plex GO					
	15,17.3	16,22	14,14	17,17	11,12	N/A
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	N/A	N/A	17,18	6,9	8,11
	17,18	10	N/A	N/A	N/A	

TABLE 1

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

JC6ZTP	PowerPlex® Fusion					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
JEMEXB	GlobalFiler™ Express					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
JKBEJA	PowerPlex® 6C					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
JPUYJR	PowerPlex® Fusion 6C					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
JTMT4Q	GlobalFiler™ Direct					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
K87ZV6	GlobalFiler™					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
KJEHBR	GlobalFiler™ (STRmix)					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	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 2 - STR Results

KQULCL	PowerPlex® Fusion					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
KUXF87	PowerPlex® Fusion					
	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
KVAQTA	GlobalFiler™					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
L9VU7E	GlobalFiler™					
	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
LCUHR9	GlobalFiler™ Direct					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
LFTLCM	PowerPlex® Fusion 5C					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
LMF7JA	PowerPlex® Fusion 6C					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		

TABLE 1

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

Item 2 - STR Results

LMF99E	GlobalFiler™				
	15,17.3	16,22	14,14	17,17	11,12
	2	11,11	12,13	13,15	18,19
		13,14	13,15	30,30	15,17
		25,27		17,18	6,9
		17,18	10		2
LNLX8G	GlobalFiler™				
	15,17.3	16,22	14,14	17,17	11,12
	2	11,11	12,13	13,15	18,19
		13,14	13,15	30,30	15,17
		25,27		17,18	6,9
		17,18	10		2
LPGCZZ	PowerPlex® Fusion 5C				
	15,17.3	16,22	14	17	11,12
	2	11	12,13	13,15	18,19
		13,14	13,15	30	15,17
		25,27	9,13	5,21	6,9
		17,18	10		2
LQCV33	GlobalFiler™				
	15,17.3	16,22	14	17	11,12
	2	11	12,13	13,15	18,19
		13,14	13,15	30	15,17
		25,27		17,18	6,9
		17,18	10		2
LYPL97	GlobalFiler™				
	15,17.3	16,22	14,14	17,17	11,12
	2	11,11	12,13	13,15	18,19
		13,14	13,15	30,30	15,17
		25,27		17,18	6,9
		17,18	10		2
M34GQP	GlobalFiler™				
	15,17.3	16,22	14	17	11,12
	2	11	12,13	13,15	18,19
		13,14	13,15	30	15,17
		25,27		17,18	6,9
		17,18	10		2
M3ZGL3	GlobalFiler™				
	15,17.3	16,22	14	17	11,12
	2	11	12,13	13,15	18,19
		13,14	13,15	30	15,17
		25,27		17,18	6,9
		17,18	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 2 - STR Results

M8HJQM	PowerPlex® Fusion 5C					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
MKJPRP	PowerPlex® 35GY					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18					
MPEJM7	GlobalFiler™					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
MV7CR2	Investigator® 24plex GO, 27 FlexPlex					
	15,17.3	16,22	14,14	17,17	11,12	11,17
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	N/A	5,21	17,18	6,9	8,11
	17,18	10	17	17	N/A	
MVPZCG	GlobalFiler™					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
MY46UP	GlobalFiler™					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
MYNEWL	PowerPlex® Fusion					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				

TABLE 1

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

Item 2 - STR Results

N6LVUP	GlobalFiler™ (STRmix)					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
N7WWFN	GlobalFiler™ (STRmix)					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
NBUJ8Q	GlobalFiler™					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
NEQ3AP	GlobalFiler™ (STRmix)					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
NF43L7	PowerPlex® Fusion 6C					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
NF7UDM	PowerPlex® Fusion 6C					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
NGWVGP	GlobalFiler™					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	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 2 - STR Results

NL9DK6	PowerPlex® Fusion 6C					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
NQ6PBH	GlobalFiler™					
2	15,17.3	16,22	14,14	17,17	11,12	--
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	--	--	17,18	6,9	8,11
	17,18	10	--	--	2	
NTT2D9	GlobalFiler™					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
NWELHD	Investigator® 24plex GO!					
2	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10				
P3Y4DZ	Investigator® 24plex GO!					
2	15,17.3	16,22	14,14	17,17	11,12	N/A
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	N/A	N/A	17,18	6,9	8,11
	17,18	10	N/A	N/A	N/A	
PE8928	GlobalFiler™					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
PJ33WM	GlobalFiler™					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	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 2 - STR Results

PJLJGW	GlobalFiler™					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
PKV7W3	GlobalFiler™					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
PW8WT7	PowerPlex® Fusion 6C					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
PXZU2D	PowerPlex® Fusion 5C					
	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
Q3V22Z	PowerPlex® Fusion					
	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
Q7QPJT	GlobalFiler™ Express					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
QFWWYT	GlobalFiler™ Express					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	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 2 - STR Results

QH7JVL	PowerPlex® Fusion 6C					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
QKR4K4	GlobalFiler™ Direct					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
QMD9B9	GlobalFiler™					
	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
QQG4UC	PowerPlex® Fusion 6C					
	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
QXDXUV	PowerPlex® Fusion					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
QXZ9QH	PowerPlex® Fusion					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
R3MGQ3	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		

TABLE 1

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

Item 2 - STR Results

R4FALL	GlobalFiler™					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
RCAEEM	GlobalFiler™ Express					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
RJB7T4	GlobalFiler™ Direct					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
RUDJQJ	GlobalFiler™ Direct (STRmix)					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
RWHJZB	PowerPlex® ESX-17, Fusion 6C 6C 6C, VerFiler Plus					
	15,17.3	16,22	14,14	17,17	11,12	11,17
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17	2	
RZEXCK	GlobalFiler™ (STRmix)					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
RZJL8Z	PowerPlex® Fusion 5C					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	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 2 - STR Results

T4G2ZZ	PowerPlex® Fusion 6C				
2	15,17.3	16,22	14,14	17,17	11,12
	11,11	12,13	13,15	18,19	9,10
	13,14	13,15	30,30	15,17	X,Y
	25,27	9,13	5,21	17,18	6,9
	17,18	10	17	17	8,11
T739GV	Investigator® 24plex QS				
2	15,17.3	16,22	14,14	17,17	11,12
	11,11	12,13	13,15	18,19	9,10
	13,14	13,15	30,30	15,17	X,Y
	25,27	N/A	N/A	17,18	6,9
	17,18	10	N/A	N/A	8,11
T8E6KE	PowerPlex® Fusion 5C				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27	9,13	5,21	17,18	6,9
	17,18	10			8,11
TA2PPJ	PowerPlex® Fusion 6C				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27	9,13	5,21	17,18	6,9
	17,18	10	17	17	8,11
TBF9C2	PowerPlex® Fusion 6C				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27	9,13	5,21	17,18	6,9
	17,18	10	17	17	8,11
TC97J9	PowerPlex® Fusion 5C				
2	15,17.3	16,22	14,14	17,17	11,12
	11,11	12,13	13,15	18,19	9,10
	13,14	13,15	30,30	15,17	X,Y
	25,27	9,13	5,21	17,18	6,9
	17,18	10			8,11
TK2RYZ	GlobalFiler™				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10			8,11
					2

TABLE 1

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

Item 2 - STR Results

TLWXB8	GlobalFiler™					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
TYH6AT	PowerPlex® Fusion					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
U2QM4H	PowerPlex® Fusion 6C					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
U8AHPY	GlobalFiler™ Direct					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
UEFJ82	PowerPlex® Fusion 6C (STRmix)					
2	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
UHTGD4	Investigator® 24plex QS					
2	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10				
UKF2H8	Investigator® 24plex QS					
2	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	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 2 - STR Results

UKGTEU	Investigator® 24plex QS					
	15,17.3	16,22	14,14	17,17	11,12	n/a
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	n/a	n/a	17,18	6,9	8,11
	17,18	10	n/a	n/a	n/a	
UKWCYR	PowerPlex® Fusion					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
UPDGTf	PowerPlex® Fusion 6C					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
V2WQQ6	PowerPlex® Fusion 5C					
	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
V6LVP4	PowerPlex® Fusion 5c					
	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
V7WUKD	PowerPlex® Fusion					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
VB9GWQ	PowerPlex® Fusion 5C					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				

TABLE 1

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

Item 2 - STR Results

VJ2X68	GlobalFiler™					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
VQ37Q2	GlobalFiler™					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
VRDB4Q	PowerPlex® Fusion					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
VW9E3G	GlobalFiler™ (STRmix)					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
W2FTET	PowerPlex® Fusion 6C					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
W6H4FF	PowerPlex® 35GY					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10				
WE4ABY	GlobalFiler™ Direct					
	15,17.3	16,22	14,14	17,17	11,12	
2	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	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 2 - STR Results

X77JXA	PowerPlex® Fusion 5C					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
XD7D3F	GlobalFiler™ (STRmix)					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
XEJDFX	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		
XJVF2T	PowerPlex® Fusion 5C					
	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
YR683B	PowerPlex® Fusion					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
YURQ8E	GlobalFiler™					
	15,17.3	16,22	14	17	11,12	
	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	
YVMAAF	GlobalFiler™ Express					
	15,17.3	16,22	14,14	17,17	11,12	
	11,11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30,30	15,17	X,Y	10,11
	25,27			17,18	6,9	8,11
	17,18	10			2	

TABLE 1

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

Item 2 - STR Results

Z68VWP	GlobalFiler™				
2	15,17.3	16,22	14,14	17,17	11,12
	11,11	12,13	13,15	18,19	9,10
	13,14	13,15	30,30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10			2
Z6KMML	PowerPlex® Fusion 5C				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27	9,13	5,21		6,9
	17,18	10			8,11
Z8CQD8	PowerPlex® Fusion				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27	9,13	5,21		6,9
	17,18	10			8,11
Z9KB8U	GlobalFiler™ Direct				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10			2
ZBB2A8	PowerPlex® Fusion 5C				
2	15,17.3	16,22	14	17	11,12
	11	12,13	13,15	18,19	9,10
	13,14	13,15	30	15,17	X,Y
	25,27	9,13	5,21		6,9
	17,18	10			8,11
ZN2VL2	Investigator® 24plex QS				
2	15,17.3	16,22	14,14	17,17	11,12
	11,11	12,13	13,15	18,19	9,10
	13,14	13,15	30,30	15,17	X,Y
	25,27			17,18	6,9
	17,18	10			8,11
ZQ6PHK	PowerPlex® ESX17				
2	15,17.3	16,22	14	17	
		12,13	13,15	18,19	11,12
	13,14	13,15	30	15,17	X,Y
	25,27			17,18	6,9
	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 2 - STR Results

ZTQBB9	PowerPlex® Fusion					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21		6,9	8,11
	17,18	10				
ZZAEHB	PowerPlex® Fusion 6C					
	15,17.3	16,22	14	17	11,12	
2	11	12,13	13,15	18,19	9,10	11,12
	13,14	13,15	30	15,17	X,Y	10,11
	25,27	9,13	5,21	17,18	6,9	8,11
	17,18	10	17	17		

TABLE 1

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

Item 3 - STR Results

29JX2D	GlobalFiler™					
		15,16	22,23	11,12	15,16	12,13
3		8,8	13,15	15,15	15,18	12,13
		15,18	14,14	27,28	15,16	X,X
		22,24	--	--	16,18	7,9
		16,17	--	--	--	--
2B72NX	PowerPlex® Fusion 5C					
		15,16	22,23	11,12	15,16	12,13
3		8,8	13,15	15,15	15,18	12,13
		15,18	14,14	27,28	15,16	X,X
		22,24	9,10	8,10	-	7,9
		16,17	-	-	-	-
2B9UKK	PowerPlex® Fusion 5C					
		15,16	22,23	11,12	15,16	12,13
3		8	13,15	15	15,18	12,13
		15,18	14	27,28	15,16	X
		22,24	9,10	8,10		7,9
		16,17	NR			
2BPQ9D	GlobalFiler™					
		15,16	22,23	11,12	15,16	12,13
3		8,8	13,15	15,15	15,18	12,13
		15,18	14,14	27,28	15,16	X,X
		22,24			16,18	7,9
		16,17	No Result			No Result
2C4CML	GlobalFiler™					
		15,16	22,23	11,12	15,16	12,13
3		8	13,15	15	15,18	12,13
		15,18	14	27,28	15,16	X,X
		22,24			16,18	7,9
		16,17	NM			NM
2E6HY7	PowerPlex® Fusion 5C					
		15,16	22,23	11,12	15,16	12,13
3		8	13,15	15	15,18	12,13
		15,18	14	27,28	15,16	X
		22,24	9,10	8,10		7,9
		16,17				
2EPYEA	PowerPlex® Fusion 6C					
		15,16	22,23	11,12	15,16	12,13
3		8	13,15	15	15,18	12,13
		15,18	14	27,28	15,16	X
		22,24	9,10	8,10	16,18	7,9
		16,17				

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

2GUYME	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24			16,18	7,9	8,11
	16,17					
2GYGKD	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
2XLYBT	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	12,14	27,28	15,16,17	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
32ZG4G	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
37VNPQ	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
39Y4TV	PowerPlex® Fusion 5C					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
3BMFUM	GlobalFiler™ (TrueAllele)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					

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

3KB94X	GlobalFiler™					
		15,16	22,23	11,12	15,16	12,13
3		8,8	13,15	15,15	15,18	12,13
		15,18	14,14	27,28	15,16	X,X
		22,24		16,18	7,9	8,11
		16,17	NR		NR	
3KPX34	PowerPlex® Fusion					
		15,16	22,23	11,12	15,16	12,13
3		8	13,15	15	15,18	12,13
		15,18	14	27,28	15,16	X
		22,24	9,10	8,10	7,9	8,11
		16,17				
3V98TH	PowerPlex® Fusion 5C					
		15,16	22,23	11,12	15,16	12,13
3		8	13,15	15	15,18	12,13
		15,18	14	27,28	15,16	X
		22,24	9,10	8,10	7,9	8,11
		16,17	NR			
46VTCL	GlobalFiler™					
		15,16	22,23	11,12	15,16	12,13
3		8,8	13,15	15,15	15,18	12,13
		15,18	14,14	27,28	15,16	X,X
		22,24		16,18	7,9	8,11
		16,17				
4A7LRR	PowerPlex® Fusion 6C					
		15,16	22,23	11,12	15,16	12,13
3		8	13,15	15	15,18	12,13
		15,18	14	27,28	15,16	X
		22,24	9,10	8,10	16,18	7,9
		16,17				8,11
4CEVG4	PowerPlex® Fusion					
		15,16	22,23	11,12	15,16	12,13
3		8	13,15	15	15,18	12,13
		15,18	14	27,28	15,16	X
		22,24	9,10	8,10	7,9	8,11
		16,17				
4EJYCR	GlobalFiler™ (STRmix)					
		15,16	22,23	11,12	15,16	12,13
3		8	13,15	15	15,18	12,13
		15,18	14	27,28	15,16,17	X
		22,24		16,18	7,9	8,11
		16,17				

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

4FBHBR	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
4H4BBG	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	12,14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
4HF8FL	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
4LFJBL	PowerPlex® Fusion 6C (STRmix 2.9)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
4MD2HA	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
4MXAK7	PowerPlex® Fusion					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
4R7TLJ	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	XX	9,10
	22,24			16,18	7,9	8,11
	16,17	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

6U8T49	GlobalFiler™ (STRmix)				
	15,16	22,23	11,12	15,16	12,13
3	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X
	22,24			16,18	7,9
	16,17				8,11
6X76Y9	GlobalFiler™ (STRmix)				
	15,16	22,23	11,12	15,16	12,13
3	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X
	22,24			16,18	7,9
	16,17				8,11
78VF6G	PowerPlex® Fusion				
	15,16	22,23	11,12	15,16	12,13
3	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X
	22,24	9,10	8,10		7,9
	16,17	NR			8,11
7FNT2V	Investigator® 24plex QS				
	15,16	22,23	11,12	15,16	12,13
3	8,8	13,15	15,15	15,18	12,13
	15,18	14,14	27,28	15,16	XX
	22,24			16,18	7,9
	16,17				8,11
7LDBF7	PowerPlex® Fusion 6C				
	15,16	22,23	11,12	15,16	12,13
3	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X
	22,24	9,10	8,10	16,18	7,9
	16,17				8,11
7NHV9D	GlobalFiler™ (STRmix)				
	15,16	22,23	11,12	15,16	12,13
3	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X
	22,24			16,18	7,9
	16,17				8,11
7Q9Z2K	PowerPlex® Fusion 5C				
	15,16	22,23	11,12	15,16	12,13
3	8,8	13,15	15,15	15,18	12,13
	15,18	14,14	27,28	15,16	XX
	22,24	9,10	8,10		7,9
	16,17				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

7RHAQW	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
7WD22E	PowerPlex® 21, GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	12,16
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
83WLHY	PowerPlex® Fusion 5C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
8MJDJG	GlobalFiler™ (Genemapper ID-x)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X,X	9,10
	22,24			16,18	7,9	8,11
	16,17					
8Q2FN2	PowerPlex® Fusion					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
8VCNTC	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
8WUE6H	GlobalFiler™ (Genemapper ID-x)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X,X	9,10
	22,24			16,18	7,9	8,11
	16,17					

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

96FZLZ	PowerPlex® Fusion 5C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
98KZT6	GlobalFiler™ (STRmix™)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
9E4WPL	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	XX	9,10
	22,24			16,18	7,9	8,11
	16,17	NR			NR	
9RPBLU	ESSPlex_SE_QS					
3	15,16	22,23	11,12	15,16		
		13,15	15,15	15,18		9,12
	15,18	14,14	27,28	15,16	XX	
	22,24			16,18	7,9	
	16,17					
9RQ7A7	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	XX	9,10
	22,24			16,18	7,9	8,11
	16,17	NR			NR	
A2DGZD	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	XX	9,10
	22,24			16,18	7,9	8,11
	16,17	NM			NM	
AB2CZT	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	XX	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					

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

ABYK9C	PowerPlex® Fusion					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17	NR				
AJCELT	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
ALZ9ZA	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15,16	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
AYAX84	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
B7KATM	PowerPlex® Fusion 5C					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
BG7DX2	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
BHX4TZ	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16,17	X	9,10
	22,24			16,18	7,9	8,11
	16,17					

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

BJ8EZJ	PowerPlex® Fusion 6C					
	15,16	22,23	11,12	15,16	12,13	
	3	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
BLELYL	PowerPlex® Fusion 5C					
	15,16	22,23	11,12	15,16	12,13	
	3	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
BVKDDJ	GlobalFiler™ (STRmix)					
	15,16	22,23	11,12	15,16	12,13	
	3	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16,17	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
BYJP9J	GlobalFiler™ (STRmix)					
	15,16	22,23	11,12	15,16	12,13	
	3	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16,17	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
BZDDTZ	GlobalFiler™ (STRmix)					
	15,16,17	20,22,23	11,12	15,16	12,13	
	3	8	13,15	15	15,18	12,13
	15,18	12,14	27,28	15,16,17	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
C64DY3	GlobalFiler™					
	15,16	22,23	11,12	15,16	12,13	
	3	8,8	13,15	15,15	15,18	12,13
	15,18	14,14	27,28	15,16	XX	9,10
	22,24			16,18	7,9	8,11
	16,17	NR			NR	
C979LC	GlobalFiler™					
	15,16	22,23	11,12	15,16	12,13	
	3	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	XX	9,10
	22,24			16,18	7,9	8,11
	16,17	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

CD23JD	Investigator® 24plex QS, Flex Plex 27					
3	15,16	22,23	11,12	15,16	12,13	12,16
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24	N/A	8,10	16,18	7,9	8,11
	16,17	N/A	N/A	N/A	N/A	
CLVB3H	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
CVLTHC	Investigator® 24plex QS					
3	15,16	22,23	11,12	15,16	12,13	N/A
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24	N/A	N/A	16,18	7,9	8,11
	16,17	N/A	N/A	N/A	N/A	
CVX64F	NGM SElect					
3	15,16	22,23	11,12	15,16		
		13,15	15	15,18		9,12
	15,18	14	27,28	15,16	X	
	22,24			16,18	7,9	
	16,17					
CVZHHH	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
CWTBD2	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24			16,18	7,9	8,11
	16,17	No Result			No Result	
D4BBGX	GlobalFiler™ (STRmix)					
3	15,16,17	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16,17	X	9,10
	22,24			16,18	7,9	8,11
	16,17					

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

D4BD73	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24			16,18	7,9	8,11
	16,17	--			--	
D7EU9L	PowerPlex® Fusion 5C					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
DTN6B2	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24			16,18	7,9	8,11
	16,17	NR			NR	
E9WDQV	PowerPlex® Fusion					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
E9XK3F	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15,16	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
EBNEUX	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
EFH9UK	PowerPlex® Fusion 5C					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					

TABLE 1

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

Item 3 - STR Results

ELKFB9	GlobalFiler™				
3	15,16	22,23	11,12	15,16	12,13
	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X
	22,24			16,18	7,9
	16,17				8,11
EW3ZTJ	GlobalFiler™				
3	15,16	22,23	11,12	15,16	12,13
	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X
	22,24			16,18	7,9
	16,17				8,11
EYMJGF	GlobalFiler™, MiniFiler and ArgusX				
3	15,16	22,23	11,12	15,16	12,13
	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X
	22,24			16,18	7,9
	16,17				8,11
EZNJXM	Investigator® 24plex QS				
3	15,16	22,23	11,12	15,16	12,13
	8,8	13,15	15,15	15,18	12,13
	15,18	14,14	27,28	15,16	X,X
	22,24			16,18	7,9
	16,17				8,11
FBGWHX	GlobalFiler™ (STRmix)				
3	15,16	22,23	11,12	15,16	12,13
	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X
	22,24			16,18	7,9
	16,17				8,11
FKP2HN	GlobalFiler™				
3	15,16	22,23	11,12	15,16	12,13
	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X
	22,24			16,18	7,9
	16,17				8,11
FUW7JX	GlobalFiler™ (STRmix)				
3	15,16	22,23	11,12	15,16	12,13
	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X
	22,24			16,18	7,9
	16,17				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

FW3JUR	PowerPlex® Fusion 5C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
GA3FRJ	Investigator® 24plex QS					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24			16,18	7,9	8,11
	16,17					
GA68N7	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	n/a
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17	-	-	-	n/a	
GDHMXB	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
HAZANV	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
HBVRPW	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24			16,18	7,9	8,11
	16,17	NR			NR	
HFL3ZU	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					

TABLE 1

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

Item 3 - STR Results

HGZPD3	PowerPlex® Fusion					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17	NR				
HLVTCU	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
HRFJPV	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24			16,18	7,9	8,11
	16,17	no results			no results	
HZRD7J	Investigator® 24plex QS					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24			16,18	7,9	8,11
	16,17					
J3EEMQ	PowerPlex® Fusion					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
J6YLLE	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
J7EPHQ	PowerPlex® Fusion 5C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					

TABLE 1

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

Item 3 - STR Results

J8A9KR	PowerPlex® Fusion 6C				
3	15,16	22,23	11,12	15,16	12,13
	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X
	22,24	9,10	8,10	16,18	7,9
	16,17				
J8QYFB	GlobalFiler™ (STRMIX)				
3	15,16	22,23	11,12	15,16	12,13
	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16,17	X
	22,24			16,18,19	7,9
	16,17				
J9MXM6	Investigator® 24plex QS				
3	15,16	22,23	11,12	15,16	12,13
	8,8	13,15	15,15	15,18	12,13
	15,18	14,14	27,28	15,16	XX
	22,24	N/A	N/A	16,18	7,9
	16,17	N/A	N/A	N/A	N/A
JC6ZTP	PowerPlex® Fusion				
3	15,16	22,23	11,12	15,16	12,13
	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X
	22,24	9,10	8,10		7,9
	16,17				
JEMEXB	GlobalFiler™				
3	15,16	22,23	11,12	15,16	12,13
	8,8	13,15	15,15	15,18	12,13
	15,18	14,14	27,28	15,16	XX
	22,24			16,18	7,9
	16,17	NR			NR
JPUYJR	PowerPlex® Fusion 6C				
3	15,16	22,23	11,12	15,16	12,13
	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X
	22,24	9,10	8,10	16,18	7,9
	16,17				
JTMT4Q	GlobalFiler™ (STRmix)				
3	15,16	22,23	11,12	15,16	12,13
	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X
	22,24			16,18	7,9
	16,17				

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

K87ZV6	GlobalFiler™					
	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24			16,18	7,9	8,11
16,17						
KJEHBR	GlobalFiler™ (STRmix)					
	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
16,17						
KQULCL	PowerPlex® Fusion					
	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
16,17						
KUXF87	PowerPlex® Fusion					
	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24	9,10	8,10		7,9	8,11
16,17						
KVAQTA	GlobalFiler™ (STRmix)					
	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16,17	X	9,10
	22,24			16,18	7,9	8,11
16,17						
L9VU7E	GlobalFiler™					
	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24			16,18	7,9	8,11
16,17						
LFTLCM	PowerPlex® Fusion 5C					
	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
16,17						

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

LMF7JA	PowerPlex® Fusion 6C					
	15,16	22,23	11,12	15,16	12,13	
	3	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
LMF99E	GlobalFiler™					
	15,16	22,23	11,12	15,16	12,13	
	3	8,8	13,15	15,15	15,18	12,13
	15,18	14,14	27,28	15,16	XX	9,10
	22,24			16,18	7,9	8,11
LNLX8G	GlobalFiler™					
	15,16	22,23	11,12	15,16	12,13	
	3	8,8	13,15	15,15	15,18	12,13
	15,18	14,14	27,28	15,16	XX	9,10
	22,24			16,18	7,9	8,11
LPGCZZ	PowerPlex® Fusion 5C					
	15,16	22,23	11,12	15,16	12,13	
	3	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
LQCV33	GlobalFiler™					
	15,16	22,23	11,12	15,16	12,13	
	3	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	XX	9,10
	22,24			16,18	7,9	8,11
LYPL97	GlobalFiler™ (STRmix)					
	15,16	22,23	11,12	15,16	12,13	
	3	8,8	13,15	15,15	15,18	12,13
	15,18	14,14	27,28	15,16	XX	9,10
	22,24			16,18	7,9	8,11
M34GQP	GlobalFiler™					
	15,16	22,23	11,12	15,16	12,13	
	3	8	13,15	15	15,18	12,13
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	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

M3ZGL3	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
M8HJQM	PowerPlex® Fusion 5C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
MPEJM7	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
MV7CR2	Investigator® 24plex QS					
3	15,16	22,23	11,12	15,16	12,13	N/A
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	XX	9,10
	22,24	N/A	N/A	16,18	7,9	8,11
	16,17	N/A	N/A	N/A	N/A	
MVPZCG	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
MY46UP	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
MYNEWL	PowerPlex® Fusion					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					

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

N6LVUP	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
N7WWFN	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
NBUJ8Q	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24			16,18	7,9	8,11
	16,17	--			--	
NEQ3AP	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
NF7UDM	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
NGWVGP	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
NL9DK6	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17	NID	NID	NID		

TABLE 1

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

NQ6PBH	GlobalFiler™					
	15,16	22,23	11,12	15,16	12,13	--
	3	8,8	13,15	15,15	15,18	12,13
		15,18	14,14	27,28	15,16	X,X
		22,24	--	--	16,18	7,9
		16,17	--	--	--	--
NTT2D9	GlobalFiler™					
	15,16	22,23	11,12	15,16	12,13	
	3	8	13,15	15	15,18	12,13
		15,18	14	27,28	15,16	X
		22,24		16,18	7,9	8,11
		16,17				
NWELHD	Investigator® 24plex QS					
	15,16	22,23	11,12	15,16	12,13	
	3	8,8	13,15	15,15	15,18	12,13
		15,18	14,14	27,28	15,16	X,X
		22,24		16,18	7,9	8,11
		16,17				
P3Y4DZ	Investigator® 24plex QS, FlexPlex ANDE					
	15,16	22,23	11,12	15,16	12,13	12,16
	3	8,8	13,15	15,15	15,18	12,13
		15,18	14,14	27,28	15,16	X,X
		22,24	N/A	8,10	16,18	7,9
		16,17	N/A	N/A	N/A	N/A
PE8928	GlobalFiler™					
	15,16	22,23	11,12	15,16	12,13	
	3	8	13,15	15	15,18	12,13
		15,18	14	27,28	15,16	X
		22,24		16,18	7,9	8,11
		16,17				
PJ33WM	GlobalFiler™					
	15,16	22,23	11,12	15,16	12,13	
	3	8	13,15	15	15,18	12,13
		15,18	14	27,28	15,16	X
		22,24		16,18	7,9	8,11
		16,17				
PJLJGW	GlobalFiler™					
	15,16	22,23	11,12	15,16	12,13	
	3	8	13,15	15	15,18	12,13
		15,18	14	27,28	15,16	X
		22,24		16,18	7,9	8,11
		16,17				

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

PKV7W3	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
PW8WT7	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
PXZUZZ	PowerPlex® Fusion 5C					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
Q3V22Z	PowerPlex® Fusion					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
Q7QPJT	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17	no results			no results	
QFWWYT	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17	no results			no results	
QH7JVL	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					

TABLE 1

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

Item 3 - STR Results

QKR4K4	GlobalFiler™ (STRmix)					
	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16,17	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
QMD9B9	GlobalFiler™					
	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24			16,18	7,9	8,11
	16,17	NR			NR	
QQG4UC	PowerPlex® Fusion 6C					
	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
QXDXUV	PowerPlex® Fusion					
	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17	NR				
QXZ9QH	PowerPlex® Fusion					
	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
R3MGQ3	PowerPlex® Fusion 6C					
	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
R4FALL	GlobalFiler™					
	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					

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

RCAEEM	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24			16,18	7,9	8,11
	16,17	NR			NR	
RJB7T4	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16,17	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
RUDJQJ	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16,17	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
RWHJZB	PowerPlex® ESX-17, Fusion 6C 6C, VeriFiler Plus					
3	15,16	22,23	11,12	15,16	12,13	12,16
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
RZEXCK	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
RZJL8Z	PowerPlex® Fusion 5C					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
T4G2ZZ	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17	ND	ND	ND		

TABLE 1

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

T739GV	Investigator® 24plex QS					
	15,16	22,23	11,12	15,16	12,13	N/A
	3	8,8	13,15	15,15	15,18	12,13
		15,18	14,14	27,28	15,16	X,X
		22,24	N/A	N/A	16,18	7,9
		16,17	N/A	N/A	N/A	8,11
T8E6KE	PowerPlex® Fusion 5C					
	15,16	22,23	11,12	15,16	12,13	
	3	8	13,15	15	15,18	12,13
		15,18	14	27,28	15,16	X
		22,24	9,10	8,10	7,9	8,11
		16,17				
TA2PPJ	PowerPlex® Fusion 6C					
	15,16	22,23	11,12	15,16	12,13	
	3	8	13,15	15	15,18	12,13
		15,18	14	27,28	15,16	X
		22,24	9,10	8,10	16,18	7,9
		16,17				8,11
TBF9C2	PowerPlex® Fusion 6C					
	15,16	22,23	11,12	15,16	12,13	
	3	8	13,15	15	15,18	12,13
		15,18	14	27,28	15,16	X
		22,24	9,10	8,10	16,18	7,9
		16,17				8,11
TC97J9	PowerPlex® Fusion 5C					
	15,16	22,23	11,12	15,16	12,13	
	3	8,8	13,15	15,15	15,18	12,13
		15,18	14,14	27,28	15,16	X,X
		22,24	9,10	8,10	7,9	8,11
		16,17				
TK2RYZ	GlobalFiler™ (STRmix)					
	15,16	22,23	11,12	15,16	12,13	
	3	8	13,15	15	15,18	12,13
		15,18	14	27,28	15,16	X
		22,24		16,18	7,9	8,11
		16,17				
TLWXB8	GlobalFiler™					
	15,16	22,23	11,12	15,16	12,13	
	3	8	13,15	15	15,18	12,13
		15,18	14	27,28	15,16	X
		22,24		16,18	7,9	8,11
		16,17				

TABLE 1

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

Item 3 - STR Results

TYH6AT	PowerPlex® Fusion					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17	NR				
U2QM4H	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
U8AHPY	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	10,12,13	
	8	11,13,15	15	15,18	10,12,13	9,12
	15,18	12,14	27,28	15,16	X	9,10
	22,24			14,16,18	7,9	8,11
	14,16,17					
UEFJ82	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
UHTGD4	Investigator® 24plex QS					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	XX	9,10
	22,24			16,18	7,9	8,11
	16,17					
UKF2H8	Investigator® 24plex QS					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	XX	9,10
	22,24			16,18	7,9	8,11
	16,17					
UKGTEU	Investigator® 24plex QS					
3	15,16	22,23	11,12	15,16	12,13	n/a
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	XX	9,10
	22,24	n/a	n/a	16,18	7,9	8,11
	16,17	n/a	n/a	n/a	n/a	

TABLE 1

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

UKWCYR	PowerPlex® Fusion					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17	NR				
UPDGTf	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
V2WQQ6	PowerPlex® Fusion 5C					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	XX	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
V6LVP4	PowerPlex® Fusion 5c					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	XX	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
V7WUKD	PowerPlex® Fusion					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
VB9GWQ	PowerPlex® Fusion 5C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17	NR				
VJ2X68	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	XX	9,10
	22,24			16,18	7,9	8,11
	16,17					

TABLE 1

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

Item 3 - STR Results

VQ37Q2	GlobalFiler™					
	15,16	22,23	11,12	15,16	12,13	
3	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
VRDB4Q	PowerPlex® Fusion					
	15,16	22,23	11,12	15,16	12,13	
3	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17	NR				
VW9E3G	GlobalFiler™ (STRmix)					
	15,16	22,23	11,12	15,16	12,13	
3	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
W2FTET	PowerPlex® Fusion 6C					
	15,16	22,23	11,12	15,16	12,13	
3	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
W6H4FF	PowerPlex® 35GY (STRmix)					
	15,16	22,23	11,12	15,16	12,13	
3	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	XX	9,10
	22,24	9,10	8,10	17,18	7,9	8,11
	16,17					
WE4ABY	GlobalFiler™ (STRmix)					
	15,16	22,23	11,12	15,16	12,13	
3	8,8	13,15,16	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16,17	XX	9,10
	22,24			16,18	7,9	8,11
	16,17					
X77JXA	PowerPlex® Fusion 5C					
	15,16	22,23	11,12	15,16	12,13	
3	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					

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

XD7D3F	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
XEJDFX	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					
XJVF2T	PowerPlex® Fusion 5C					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
YR683B	PowerPlex® Fusion					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
YURQ8E	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
YVMAAF	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24			16,18	7,9	8,11
	16,17	NR			NR	
Z68VWP	GlobalFiler™					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	X,X	9,10
	22,24			16,18	7,9	8,11
	16,17					

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

Z6KMML	PowerPlex® Fusion 5C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17	NR				
Z8CQD8	PowerPlex® Fusion					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
Z9KB8U	GlobalFiler™ (STRmix)					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18,19	14	27,28	15,16,17	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
ZBB2A8	PowerPlex® Fusion 5C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					
ZN2VL2	Investigator® 24plex QS					
3	15,16	22,23	11,12	15,16	12,13	
	8,8	13,15	15,15	15,18	12,13	9,12
	15,18	14,14	27,28	15,16	XX	9,10
	22,24			16,18	7,9	8,11
	16,17					
ZQ6PHK	PowerPlex® ESX17					
3	15,16	22,23	11,12	15,16		
		13,15	15	15,18		9,12
	15,18	14	27,28	15,16	X	
	22,24			16,18	7,9	
	16,17					
ZTQBB9	PowerPlex® Fusion					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10		7,9	8,11
	16,17					

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

ZZAEHB	PowerPlex® Fusion 6C					
3	15,16	22,23	11,12	15,16	12,13	
	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	16,18	7,9	8,11
	16,17					

TABLE 1

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

Item 3e - STR Results

DAU8BU	GlobalFiler™					
	15,16	22,23	11,12	15,16	12,13	
3e	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24			16,18	7,9	8,11
	16,17					
DH7KVB	NGM SElect					
	15,16	22,23	11,12	15,16		
3e		13,15	15,15	15,18		9,12
	15,18	14,14	27,28	15,16	X,X	
	22,24			16,18	7,9	
	16,17					
MKJPRP	PowerPlex® 35GY (STRmix)					
	15,16	22,23	11,12	15,16	12,13	
3e	8	13,15	15	15,18	12,13	9,12
	15,18	14	27,28	15,16	X	9,10
	22,24	9,10	8,10	17,18	7,9	8,11
	16,17					

TABLE 1

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

Item 3sp - STR Results

DAU8BU	GlobalFiler™
3sp	
DH7KVB	NGM SElect
3sp	
MKJPRP	PowerPlex® 35GY (STRmix)
3sp	

TABLE 1

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

Item 4 - STR Results

7RHAQW PowerPlex® Fusion 6C					
4	15,3,16.3	17,25	10,14	12,[15],18	12,12
	9,10,[11]	13,13	13,13	17,20	8,11,[12]
	13,16,[17]	12,14	31.2,32.2	15,15	X,Y
	20,22	[2.2],9,12	10,14	15,17	6,7
	16,18	11	17	17	8,[11],12
9RPBLU					
4	14,15.3,16.3	16,17,25	10,13,14	12,15,18	
		13,14	13,14,16	17,20,23	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18				
AB2CZT PowerPlex® Fusion 6C					
4	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12
AJCELT PowerPlex® Fusion 6C					
4	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12,12
	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12
CVX64F NGM SElect					
4		16,17,25			
		13,14	13,14,16		9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26				6,7,8
	16,17,18				
LNLX8G GlobalFiler™					
4	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12,12
	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2
VJ2X68 GlobalFiler™					
4	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2

TABLE 1

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

Item 4e - STR Results

29JX2D	GlobalFiler™					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26	--	--	15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11	--	--	2	
2B72NX	PowerPlex® Fusion 5C					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12,12	-
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26	2,2,5,9,12	10,14,15	-	6,7,8	6,8,11,12
	16,17,18	11	-	-	-	
2B9UUK	PowerPlex® Fusion 5C					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26	2,2,5,9,12	10,14,15		6,7,8	6,8,11,12
	16,17,18	11				
2BPQ9D	GlobalFiler™					
	14,16.3	16,17	[10],13,14	[12],15,15,[18]	12,12	
4e	[9],11,11	13,14	[13],14,16	17,23	[8],12,13	[9],11,11,[12]
	[13],17,17	[12],14,14	28,28,[32.2]	11,15	X,X,[Y]	11,12
	[20],22,26			[15],17,28.2	6,[7],8	6,[8],11,[12]
	16,17,[18]	No Result			[2]	
2C4CML	GlobalFiler™					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
2E6HY7	PowerPlex® Fusion 5C					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26	2,2,5,9,12	10,14,15		6,7,8	6,8,11,12
	16,17,18	11				
2EPYEA	PowerPlex® Fusion 6C (STRmix)					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26	2,2,5,9,12	10,14,15	15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11	17	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	D17S11	D18S21	D19S25

Item 4e - STR Results

2GUYME	GlobalFiler™					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
2GYGKD	GlobalFiler™ (STRmix)					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
2WQGAR	GlobalFiler™ (STRmix)					
	13,14,14.3,15.3,16.3	15,16,17,24,25	9,10,12,13,14	12,14,15,17,18	11,12	
4e	9,10,11	12,13,14	12,13,14,15,16	16,17,19,20,22,23	8,10,11,12,13	9,10,11,12
	12,13,15,16,17	12,13,14	27,28,30.2,31.2,32.2	11,14,15,16	X,Y	10,11,12
	19,20,21,22,25,26			14,14.2,15,16,16.2,17,27.2,28.2	6,7,8	6,8,11,12
	15,16,17,18	10,11			2	
2XLYBT	GlobalFiler™ (STRmix)					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18,19	11			2	
32ZG4G	GlobalFiler™ (STRmix)					
	14,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
37VNPQ	GlobalFiler™ (STRmix)					
	14,15,3,16.3	16,17,24,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,15,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,16.2,17,28,28.2	6,7,8	6,8,11,12
	16,17,18	10,11			2	

TABLE 1

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

Item 4e - STR Results

39Y4TV	PowerPlex® Fusion 5C				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12,12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
3BMFUM	GlobalFiler™ (TrueAllele)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
3KB94X	GlobalFiler™				
	15.3,16.3	17,[25]	10,14	12,[15],18	12,12
4e	[9],10,[11]	13,[14]	13,[16]	17,20,[23]	8,11,[12],[13]
	13,16,[17]	12,14	[28],31.2,32.2	[11],15	X,Y
	20,22,[26]			15,17,[28.2]	6,7,[8]
	16,[18]	11			8,[12]
3KPX34	PowerPlex® Fusion				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
3V98TH	PowerPlex® Fusion 5C				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
46VTCL	GlobalFiler™				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12,12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
4A7LRR	PowerPlex® Fusion 6C (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12

TABLE 1

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

Item 4e - STR Results

4CEVG4	PowerPlex® Fusion				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
4EJYCR	GlobalFiler™ (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			14,2,15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
					2
4FBHBR	PowerPlex® Fusion 6C (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12
4H4BBG	GlobalFiler™ (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
					2
4HF8FL	PowerPlex® Fusion 6C (STRmix v2.9)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12
4LFJBL	PowerPlex® Fusion 6C (STRmix 2.9)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12
4MD2HA	GlobalFiler™ (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
					2

TABLE 1

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

Item 4e - STR Results

4MXAK7	PowerPlex® Fusion					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	
	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26	2,2,5,9,12	10,14,15		6,7,8	6,8,11,12
	16,17,18	11				
4R7TLJ	GlobalFiler™					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	
	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
6U8T49	GlobalFiler™ (STRmix)					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	
	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
6X76Y9	GlobalFiler™ (STRmix)					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	
	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
78VF6G	PowerPlex® Fusion					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	
	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26	2,2,5,9,12	10,14,15		6,7,8	6,8,11,12
	16,17,18	11				
7FNT2V	Investigator® 24plex QS					
	[14],15,3,16.3	17,25	10,[13],14	12,[15],18	12,12	
	9,10,[11]	13,13,[14]	13,13,[14],[16]	17,20,[23]	8,11,[13]	9,[11],12
	13,16,[17]	12,14	[28],31.2,32.2	[11],15,15	X,Y	11,12
	20,22,[26]			15,17,[28.2]	6,7,[8]	[6],8,[11],12
	16,18	11				
7LDBF7	PowerPlex® Fusion 6C (STRmix)					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	
	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26	2,2,5,9,12	10,14,15	15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11	17	17		

TABLE 1

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

Item 4e - STR Results

7NHV9D	GlobalFiler™ (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2
7Q9Z2K	PowerPlex® Fusion 5C				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12,12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
7WD22E	PowerPlex® 21, GlobalFiler™				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11		13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26		10,14,15	15,17,28.2	6,7,8
	16,17,18	11			2
83WLHY	PowerPlex® Fusion 5C				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
8MJDJG	GlobalFiler™ (Genemapper ID-x)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2
8Q2FN2	PowerPlex® Fusion				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
8VCNTC	GlobalFiler™ (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2

TABLE 1

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

Item 4e - STR Results

8WUE6H	GlobalFiler™ (Genemapper ID-x)				
	14,15,3,16,3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2
96FZLZ	PowerPlex® Fusion 5C				
	14,15,3,16,3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
98KZT6	GlobalFiler™ (STRmix™)				
	14,15,3,16,3	17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
9E4WPL	GlobalFiler™				
	14,16,3	16,17	[10],13,14	15,15	12,12
4e	11,11	13,14	[13],14,16	17,23	[8],12,13
	17,17	[12],14,14	28,28,[31.2]	11,15	X,X,[Y]
	[20],22,26			[15],17,28.2	6,8
	16,17,[18]	[11]			6,[8],11
9RQ7A7	GlobalFiler™				
	14,15,3,16,3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
A2DGZD	GlobalFiler™				
	14,15,3,16,3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
ABYK9C	PowerPlex® Fusion				
	14,15,3,16,3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12

TABLE 1

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

Item 4e - STR Results

ALZ9ZA	GlobalFiler™ (STRmix)				
	14,15.3,16.3	16,17,25	10,12,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2
AYAX84	GlobalFiler™ (STRmix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2
B4AYHH	GlobalFiler™ (STRmix)				
	13,14,15.3,16.3	15,16,17,25	10,12,13,14	12,14,15,18	11,12
4e	9,10,11	12,13,14	13,14,15,16	16,17,20,22,23	8,11,12,13
	13,15,16,17	12,13,14	27,28,31.2,32.2	11,14,15,16	X,Y
	20,21,22,26			15,16,16.2,17,27.2,28.2	6,7,8
	15,16,17,18	11			2
B7KATM	PowerPlex® Fusion 5C				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12,12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
BG7DX2	PowerPlex® Fusion 6C				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12
BHX4TZ	GlobalFiler™ (STRmix)				
	14,15.3,16.3	16,17,24,25	10,13,14	12,13,15,18,19	12,13
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			14.2,15,17,28,28.2	6,7,8
	16,17,18	11			2
BJ8EZJ	PowerPlex® Fusion 6C (STRmix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12

TABLE 1

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

Item 4e - STR Results

BLELY	PowerPlex® Fusion 5C					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	
	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26	2,2,5,9,12	10,14,15		6,7,8	6,8,11,12
	16,17,18	11				
BVKDDJ	GlobalFiler™ (STRmix)					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	
	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
BYJP9J	GlobalFiler™ (STRmix)					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	
	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
BZDDTZ	GlobalFiler™ (STRmix)					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	10,12	
	9,10,11,12	11,13,14	13,14,16	17,20,21,22,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,15.2,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
C64DY3	GlobalFiler™					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	
	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
C979LC	GlobalFiler™					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	
	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
CD23JD	Investigator® 24plex QS					
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12	N/A
	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26	N/A	N/A	15,17,28.2	6,7,8	6,8,11,12
	16,17,18	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 4e - STR Results

CLVB3H	PowerPlex® Fusion 6C (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12
CVLTHC	Investigator® 24plex QS, FLEX PLEX27				
	[14],15.3,16.3	[16],17,25	10,[13],14	12,[15],18	12
4e	9,10,[11]	13,[14]	13,[14],[16]	17,20,[23]	8,11,[12],[13]
	13,16,[17]	12,14	[28],31.2,32.2	[11],15	X,Y
	20,22,[26]	N/A	N/A	15,17,[28.2]	6,7,[8]
	16,[17],18	11	N/A	N/A	[6],8,[11],12
CVZHHH	PowerPlex® Fusion 6C (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12
CWTBD2	GlobalFiler™				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
					2
D4BBGX	GlobalFiler™ (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
					2
D4BD73	GlobalFiler™				
	14,15,3,16.3	16,17,25	10,13,14	15,18	12
4e	9,11	13,14	13,14,16	17,20,23	8,11,12,13
	17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
					2
D7EU9L	PowerPlex® Fusion 5C				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12,12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12

TABLE 1

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

Item 4e - STR Results

DAU8BU	GlobalFiler™					
	14,15,3,16,3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
DH7KVB	NGM SElect					
	14,15,3,16,3	16,17,25	10,13,14	12,15,18		
4e		13,14	13,14,[15],16	17,[19],20,23		9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	
	20,22,26			15,17,28.2	6,7,8	
	16,17,18					
DTN6B2	GlobalFiler™					
	14,15,3,16,3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
E9WDQV	PowerPlex® Fusion					
	14,15,3,16,3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26	2,2,5,9,12	10,14,15		6,7,8	6,8,11,12
	16,17,18	11				
E9XK3F	GlobalFiler™ (STRmix)					
	14,15,3,16,3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15,16	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	10,11			2	
EBNEUX	PowerPlex® Fusion 6C (STRmix)					
	14,15,3,16,3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26	2,2,5,9,12	10,14,15	15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11	17	17		
EFH9UK	PowerPlex® Fusion 5C					
	14,15,3,16,3	16,17,25	10,13,14	12,15,18	12,12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26	2,2,5,9,12	10,14,15		6,7,8	6,8,11,12
	16,17,18	11				

TABLE 1

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

Item 4e - STR Results

ELKFB9	GlobalFiler™					
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
EW3ZTJ	GlobalFiler™					
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
EZNJXM	Investigator® 24plex QS					
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11				
FBGWHX	GlobalFiler™ (STRmix)					
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
FKP2HN	GlobalFiler™					
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
FUW7JX	GlobalFiler™ (STRmix)					
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
FW3JUR	PowerPlex® Fusion 5C					
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26	2.2,5,9,12	10,14,15		6,7,8	6,8,11,12
	16,17,18	11				

TABLE 1

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

Item 4e - STR Results

GA3FRJ	Investigator® 24plex QS				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
GA68N7	PowerPlex® Fusion 6C				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	n/a
GDHMXB	GlobalFiler™ (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2
HAZANV	GlobalFiler™				
	14,[15.3],16.3	[16],17,[25]	[10],[13],14	[12],15,[18]	12
4e	[9],[10],11	13,[14]	13,14,16	17,20,23	8,11,12,13
	[13],[16],17	[12],14	28,[31.2],[32.2]	[11],15	X,[Y]
	[20],22,26			[15],17,[28.2]	6,[7],[8]
	16,[17],[18]	11			2
HBVRPW	GlobalFiler™				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2
HFL3ZU	PowerPlex® Fusion 6C				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	
HGZPD3	PowerPlex® Fusion				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12

TABLE 1

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

Item 4e - STR Results

HLVTCU	GlobalFiler™ (STRmix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2
HRFJPV	GlobalFiler™				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2
HZRD7J	Investigator® 24plex QS				
	15.3,16.3	17,25	10,[13],14	12,[15],18	12,12
4e	9,10,11	13,13,[14]	13,13,[14],[16]	17,20,[23]	8,11,[12],[13]
	13,16,[17]	12,14	[28],31.2,32.2	[11],15,15	X,Y
	20,22,[26]			15,17,[28.2]	6,7,[8]
	16,18	11			[6],8,[11],12
J3EEMQ	PowerPlex® Fusion				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
J6YLLE	GlobalFiler™ (STRmix V.2.11)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2
J7EPHQ	PowerPlex® Fusion 5C				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
J8A9KR	PowerPlex® Fusion 6C (STRmix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12

TABLE 1

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

Item 4e - STR Results

J8QYFB	GlobalFiler™ (STRMIX)				
	14,15,3,16,3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31,2,32,2	11,15	X,Y
	20,22,26,27			15,17,28,2,29,2	6,7,8
	16,17,18	11			2
J9MXM6	Investigator® 24plex QS (FlexPlex 27)				
	14,15,3,16,3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31,2,32,2	11,15	X,Y
	20,22,26	N/A	N/A	15,17,28,2	6,7,8
	16,17,18	11	N/A	N/A	N/A
JC6ZTP	PowerPlex® Fusion				
	14,15,3,16,3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31,2,32,2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
JEMEXB	GlobalFiler™				
	14,15,3,16,3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31,2,32,2	11,15	X,Y
	20,22,26			15,17,28,2	6,7,8
	16,17,18	11			2
JPUYJR	PowerPlex® Fusion 6C				
	14,15,3,16,3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31,2,32,2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15	15,17,28,2	6,7,8
	16,17,18	11	17	17	6,8,11,12
JTMT4Q	GlobalFiler™ (STRmix)				
	14,15,3,16,3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,15,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31,2,32,2	11,15	X,Y
	20,22,26			15,17,28,2	6,7,8
	16,17,18	11			2
K87ZV6	GlobalFiler™				
	14,15,3,16,3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31,2,32,2	11,15	X,Y
	20,22,26			15,17,28,2	6,7,8
	16,17,18	11			2

TABLE 1

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

Item 4e - STR Results

KJEHBR	GlobalFiler™ (STRmix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2
KQULCL	PowerPlex® Fusion				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
KUXF87	PowerPlex® Fusion				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12,12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
KVAQTA	GlobalFiler™ (STRmix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18,19	12
4e	9,10,11,12	13,14	13,14,16	17,20,22,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			14.2,15,17,28.2	6,7,8
	16,17,18	10,11			6,8,11,12
					2
L9VU7E	GlobalFiler™				
	[14],15.3,16.3	[16],17,25	10,[13],14	12,[15],18	12,12
4e	9,10,[11]	13,[14]	13,[14],[16]	17,[20],[23]	8,11,[12],[13]
	13,16,[17]	[12],14	[28],31.2,32.2	[11],15	X,[Y]
	20,22,[26]			15,17,[28.2]	6,7,[8]
	16,[17],18	11			[6],8,[11],12
					2
LFTLCM	PowerPlex® Fusion 5C				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
LMF7JA	PowerPlex® Fusion 6C (STRMix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12

TABLE 1

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

Item 4e - STR Results

LMF99E	GlobalFiler™					
	[14],15.3,16.3	[16],17,[25]	10,[13],14	12,15,18	12,12	
4e	9,10,11	13,[14]	13,[14],[16]	17,20,[23]	8,11,[12],[13]	9,11,12
	13,16,[17]	[12],14	28,31.2,32.2	[11],15	X,[Y]	11,12
	20,22,[26]			15,17,[28.2]	6,7,[8]	[6],8,[11],12
	16,[17],[18]	11			2	
LPGCZZ	PowerPlex® Fusion 5C					
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26	2.2,5,9,12	10,14,15		6,7,8	6,8,11,12
	16,17,18	11				
LQCV33	GlobalFiler™					
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
LYPL97	GlobalFiler™ (STRmix)					
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
M34GQP	GlobalFiler™					
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
M3ZGL3	GlobalFiler™					
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
M8HJQM	PowerPlex® Fusion 5C					
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12	
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26	2.2,5,9,12	10,14,15		6,7,8	6,8,11,12
	16,17,18	11				

TABLE 1

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

Item 4e - STR Results

MKJPRP	PowerPlex® 35GY (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18				6,8,11,12
MPEJM7	GlobalFiler™ (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
					2
MV7CR2	Investigator® 24plex QS, 27 FlexPlex				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	N/A	N/A	15,17,28.2	6,7,8
	16,17,18	11	N/A	N/A	6,8,11,12
					N/A
MVPZCG	GlobalFiler™				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
					2
MY46UP	GlobalFiler™ (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
					2
MYNEWL	PowerPlex® Fusion				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
N6LVUP	GlobalFiler™ (STRmix)				
	14,15,3,16.3	17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
					2

TABLE 1

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

Item 4e - STR Results

N7WWFN	GlobalFiler™ (STRmix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2
NBUJ8Q	GlobalFiler™				
	14,15.3,16.3	17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2
NEQ3AP	GlobalFiler™ (STRmix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2
NF43L7	PowerPlex® Fusion 6C				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	
NF7UDM	PowerPlex® Fusion 6C				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	
NGWVGP	GlobalFiler™ (STRmix)				
	[14],[15.3],16.3	[16],17,[25]	[10],[13],14	[12],15,[18]	12
4e	[9],[10],11	13,[14]	13,14,16	17,[20],[23]	8,11,12,13
	[13],[16],17	[12],14	28,[31.2],[32.2]	[11],15	X,[Y]
	[20],22,[26]			[15],17,[28.2]	6,7,[8]
	16,17,[18]	11			2
NL9DK6	PowerPlex® Fusion 6C (STRmix V2.6)				
	14,15.3,16.3	16,17,25	[10],13,14	12,15,18	12
4e	9,10,11	13,[14]	13,14,[16]	17,20,[23]	8,11,12,13
	13,16,17	[12],14	28,31.2,32.2	[11],15	X,[Y]
	[20],22,[26]	2.2,5,9,12	10,14,[15]	15,17,[28.2]	6,7,[8]
	16,[17],[18]	11	17	17	

TABLE 1

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

Item 4e - STR Results

NQ6PBH	GlobalFiler™					
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12,12	--
	4e 9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26	--	--	15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11	--	--	2	
NTT2D9	GlobalFiler™					
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12	
	4e 9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
NWELHD	Investigator® 24plex QS					
	15.3,16.3	17,25	10,14	12,[15],18	12,12	
	4e 9,10,[11]	13,13	13,13,[16]	17,20,[23]	8,11,[13]	9,12
	13,16,[17]	12,14	[28],31.2,32.2	[11], 15,15	X,Y	11,12
	20,22,[26]			15,17,[28.2]	6,7,[8]	[6],8,[11],12
	16,18	11				
P3Y4DZ	Investigator® 24plex QS					
	[14],15.3,16.3	[16],17,25	10,[13],14	12,[15],18	12	N/A
	4e 9,10,[11]	13,[14]	13,[14],16	17,20	8,11,[12],[13]	9,[11],12
	13,16,[17]	[12],14	[28],31.2,32.2	[11],15	X,Y	11,12
	20,22,[26]	N/A	N/A	15,17,[28.2]	6,7,[8]	[6],8,[11],12
	16,[17],18	11	N/A	N/A	N/A	
PE8928	GlobalFiler™					
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12	
	4e 9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	
PJ33WM	GlobalFiler™					
	14,[15.3],16.3	16,17,[25]	[10],13,14	[12],15,[18]	12	
	4e [9],[10],11	13,14	[13],14,16	17,[20],23	[8],[11],12,13	[9],11,[12]
	[13],[16],17	[12],14	28,[31.2],[32.2]	11,15	X,[Y]	11,12
	[20],22,26			[15],17,28.2	6,[7],8	6,[8],11,[12]
	16,17,[18]	[11]			[2]	
PJLJGW	GlobalFiler™					
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12	
	4e 9,10,11	13,14	13,14,16	17,20,23	8,11,12,13	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y	11,12
	20,22,26			15,17,28.2	6,7,8	6,8,11,12
	16,17,18	11			2	

TABLE 1

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

Item 4e - STR Results

PKV7W3	GlobalFiler™ (STRmix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2
PW8WT7	PowerPlex® Fusion 6C (STRmix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9	10,14,15	15,17,28.2	6,7,8
	16,17,18	11		17	6,8,11,12
PXZUZD	PowerPlex® Fusion 5C				
	14,16.3	16,17,25	10,13,14	12,15,18	12,12
4e	9,11	13,14	13,14,16	17,23	8,11,12,13
	13,17	12,14	28,31.2,32.2	11,15	X,X
	20,22,26	2.2,5,9,12	10,14,15		6,8
	16,17,18	11			6,11,12
Q3V22Z	PowerPlex® Fusion				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12,12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
Q7QPJT	GlobalFiler™ (STRmix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2
QFWWYT	GlobalFiler™ (STRmix)				
	14,15.3,16.3	16,17,24,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2
QH7JVL	PowerPlex® Fusion 6C				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12

TABLE 1

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

Item 4e - STR Results

QKR4K4	GlobalFiler™ (STRmix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12,12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2
QMD9B9	GlobalFiler™				
	[14],[15.3],16.3	[16],17,[25]	[10],[13],14	12,15,18	12,12
4e	9,10,11	13,[14]	13,[14],[16]	17,[20],[23]	8,11,12,13
	13,16,17	[12],14	28,31.2,32.2	[11],15	X,[Y]
	20,22,[26]			15,17,[28.2]	6,[7],[8]
	16,[17],18	11			2
QQG4UC	PowerPlex® Fusion 6C				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12,12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12
QXDXUV	PowerPlex® Fusion				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
QXZ9QH	PowerPlex® Fusion				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
R3MGQ3	PowerPlex® Fusion 6C (STRmix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12
R4FALL	GlobalFiler™				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			2

TABLE 1

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

Item 4e - STR Results

RCAEEM	GlobalFiler™				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
					2
RJB7T4	GlobalFiler™ (STRmix)				
	14,15.3,16.3	16,17,25	10,11,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,19,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15,17	X,Y
	20,22,26			14.2,15,17,28,28.2	6,7,8
	16,17,18,19	11			6,8,11,12
					2
RUDJQJ	GlobalFiler™ (STRmix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
					2
RWHJZB	PowerPlex® ESX1 , Fusion 6C, VeriFiler Plus				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12,12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12
					2
RZEXCK	GlobalFiler™ (STRmix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
					2
RZJL8Z	PowerPlex® Fusion 5C				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12,12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
T4G2ZZ	PowerPlex® Fusion 6C				
	14,[15.3],16.3	16,17,[25]	[10],13,14	[12],15,15,[18]	12,12
4e	[9],[10],11,11	13,14	[13],14,16	17,[20],23	[8],[11],12,13
	[13],[16],17,17	[12],14,14	28,28,[31.2],[32.2]	11,15	[9],11,11,[12]
	[20],22,26	2.2,5,[9],[12]	10,[14],15	[15],17,28.2	X,X,[Y]
	16,17,[18]	[11]	[17]	[17]	11,12
					6,[7],8
					6,[8],11,[12]

TABLE 1

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

Item 4e - STR Results

T739GV	Investigator® 24plex QS, FlexPlex27				
	[14],15.3,16.3	[16],17,25	10,[13],14	12,[15],18	12
4e	9,10,11	13,[14]	13,[14],[16]	17,20,[23]	8,11,[12],[13]
	13,16,[17]	12,14	[28],31.2,32.2	[11],15	X,[Y]
	20,22,[26]	N/A	N/A	15,17,[28.2]	6,7,[8]
	16,[17],18	11	N/A	N/A	N/A
T8E6KE	PowerPlex® Fusion 5C				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
TA2PPJ	PowerPlex® Fusion 6C				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12
TBF9C2	PowerPlex® Fusion 6C (STRmix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12
TC97J9	PowerPlex® Fusion 5C				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12,12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
TK2RYZ	GlobalFiler™ (STRmix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
TLWXB8	GlobalFiler™				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
					2

TABLE 1

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

Item 4e - STR Results

TYH6AT	PowerPlex® Fusion				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
U2QM4H	PowerPlex® Fusion 6C (STRmix)				
	15.3,16.3	17,25	10,14	12,15,18	12
4e	9,10	13	13	17,20	8,11,12,13
	13,16	12,14	28,31.2,32.2	11,15	X,Y
	20,22	2.2,5,9,12	10,14	15,17,28.2	6,7
	16,18	11	17	17	6,8,12
U8AHPY	GlobalFiler™ (STRmix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	10,12
4e	9,10,11	13,14,15	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
					2
UEFJ82	PowerPlex® Fusion 6C (STRmix)				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2.2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12
UHTGD4	Investigator® 24plex QS				
	14,15.3,16.3	16,17,(25)	(10,13),14	(12),15,(18)	(12)
4e	(9,10),11	13,(14)	13,14,16	17,(20,23)	8,11,12,13
	13,16,17	(12),14	28,(31.2,32.2)	(11),15	X,(Y)
	20,22,26			15,17,28.2	6,(7,8)
	16,(17,18)	11			6,8,11,12
UKF2H8	Investigator® 24plex QS				
	14,15.3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
UKGTEU	Investigator® 24plex QS				
	14,15.3,16.3,17.3	16,17,25	10,13,14	12,15,16,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17,18	12,14	28,31.2,32.2	11,13,15	X,Y
	20,22,24,26	n/a	n/a	15,17,28.2	6,7,8
	16,17,18	11	n/a	n/a	6,8,11,12
					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 4e - STR Results

UKWCYR	PowerPlex® Fusion (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
UPDGTf	PowerPlex® Fusion 6C				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12
V2WQQ6	PowerPlex® Fusion 5C				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12,12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
V6LVP4	PowerPlex® Fusion 5c				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12,12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
V7WUKD	PowerPlex® Fusion				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
VB9GWQ	PowerPlex® Fusion 5C				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
VQ37Q2	GlobalFiler™				
	14,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,11	13,14	13,14,16	17,23	8,11,12,13
	13,17	14	28,31.2,32.2	11,15	X,Y
	22,26			15,17,28.2	6,7,8
	16,17	11			6,11
					2

TABLE 1

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

Item 4e - STR Results

VRDB4Q	PowerPlex® Fusion				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
VW9E3G	GlobalFiler™ (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
					2
W2FTET	PowerPlex® Fusion 6C (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12
W6H4FF	PowerPlex® 35GY (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12,12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
WE4ABY	GlobalFiler™ (STRmix)				
	14,15,3,16.3	16,17,24,25	10,12,13,14	12,15,18	12,12
4e	9,10,11	13,14	13,14,16	17,20,21,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			14,2,15,17,28.2	6,7,8
	16,17,18	10,11			6,8,11,12
					2
X77JXA	PowerPlex® Fusion 5C				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
XD7D3F	GlobalFiler™ (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
					2

TABLE 1

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

Item 4e - STR Results

XEJDFX	PowerPlex® Fusion 6C (STRmix)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12
XJVF2T	PowerPlex® Fusion 5C				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12,12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
YR683B	PowerPlex® Fusion				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
YURQ8E	GlobalFiler™				
	14,[15.3],16.3	16,17,[25]	[10],13,14	[12],15,[18]	12
4e	[9],[10],11	13,14	[13],14,16	17,[20],23	[8],[11],12,13
	[13],[16],17	[12],14	28,[31.2],[32.2]	11,15	X,[Y]
	[20],22,26			[15],17,28.2	6,[7],8
	16,17,[18]	[11]			6,[8],11,[12]
					[2]
YVMAAF	GlobalFiler™				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
					2
Z68VWP	GlobalFiler™				
	15,3,16.3	17,25	10,14	12,18	12,12
4e	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31.2,32.2	15,15	9,12
	20,22			15,17	X,Y
	16,18	11			11,12
					6,7
					8,12
					2
Z6KMML	PowerPlex® Fusion 5C				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		11,12
	16,17,18	11			6,7,8
					6,8,11,12

TABLE 1

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

Item 4e - STR Results

Z8CQD8	PowerPlex® Fusion				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
Z9KB8U	GlobalFiler™ (STRMix)				
	14,15,3,16.3	16,17,25,27	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	10,11			6,8,11,12
					2
ZBB2A8	PowerPlex® Fusion 5C (TrueAllele on the nsp (e-cell) fraction)				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
ZN2VL2	Investigator® 24plex QS				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18	11			6,8,11,12
ZQ6PHK	PowerPlex® ESX17				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	
4e		13,14	13,14,16	17,20,23	9,11,12
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7,8
	16,17,18				
ZTQBB9	PowerPlex® Fusion				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15		6,7,8
	16,17,18	11			6,8,11,12
ZZAEHB	PowerPlex® Fusion 6C				
	14,15,3,16.3	16,17,25	10,13,14	12,15,18	12
4e	9,10,11	13,14	13,14,16	17,20,23	8,11,12,13
	13,16,17	12,14	28,31.2,32.2	11,15	X,Y
	20,22,26	2,2,5,9,12	10,14,15	15,17,28.2	6,7,8
	16,17,18	11	17	17	6,8,11,12

TABLE 1

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

Item 4sp - STR Results

29JX2D	GlobalFiler™					
	15,3,16.3	17,25	10,14	12,18	12,12	
4sp	9,10	13,13	13,13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15,15	X,Y	11,12
	20,22	--	--	15,17	6,7	8,12
	16,18	11	--	--	2	
2B72NX	PowerPlex® Fusion 5C					
	15,3,16.3	17,25	10,14	12,18	12,12	-
4sp	9,10	13,13	13,13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15,15	X,Y	11,12
	20,22	9,12	10,14	-	6,7	8,12
	16,18	11	-	-	-	
2B9UKK	PowerPlex® Fusion 5C					
	15,3,16.3	17,25	10,14	12,18	12	
4sp	9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22	9,12	10,14		6,7	8,12
	16,18	11				
2BPQ9D	GlobalFiler™					
	15,3,16.3	17,25	10,14	12,18	12,12	
4sp	9,10	13,13	13,13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15,15	X,Y	11,12
	20,22			15,17	6,7	8,12
	16,18	11			2	
2C4CML	GlobalFiler™					
	15,3,16.3	17,25	10,14	12,18	12	
4sp	9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22			15,17	6,7	8,12
	16,18	11			2	
2E6HY7	PowerPlex® Fusion 5C					
	15,3,16.3	17,25	10,14	12,18	12	
4sp	9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22	9,12	10,14		6,7	8,12
	16,18	11				
2EPYEA	PowerPlex® Fusion 6C (STRmix)					
	15,3,16.3	17,25	10,14	12,18	12	
4sp	9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22	9,12	10,14	15,17	6,7	8,12
	16,18	11	17	17		

TABLE 1

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

Item 4sp - STR Results

2GUYME	GlobalFiler™				
	15.3,16.3	17,25	10,14	12,18	12,12
4sp	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31.2,32.2	15,15	X,Y
	20,22			15,17	6,7
	16,18	11			2
2GYGKD	GlobalFiler™ (STRmix)				
	15.3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
2WQGAR	GlobalFiler™ (STRmix)				
	14.3,15.3,16.3	16,17,24,25	9,10,13,14	12,17,18	11,12,13
4sp	9,10,11	12,13	12,13	16,17,19,20	8,10,11,12
	12,13,15,16,17	11,12,13,14	30.2,31.2,32.2	14,15,16	X,Y
	19,20,21,22			14,14.2,15,16,17	6,7
	15,16,17,18	10,11			2
2XLYBT	GlobalFiler™ (STRmix)				
	15.3,16.3	17,25	10,14	10,12,18	12,13
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22			15,17,18	6,7
	16,18	10,11			2
32ZG4G	GlobalFiler™ (STRmix)				
	15.3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
37VNPQ	GlobalFiler™ (STRmix)				
	15.3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
39Y4TV	PowerPlex® Fusion 5C				
	15.3,16.3	17,25	10,14	12,18	12,12
4sp	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31.2,32.2	15,15	X,Y
	20,22	9,12	10,14		6,7
	16,18	11			8,12

TABLE 1

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

Item 4sp - STR Results

3BMFUM	GlobalFiler™ (TrueAllele)					
	15,3,16.3	17,25	10,14	12,18	12	
4sp	9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22			15,17	6,7	8,12
	16,18	11			2	
3KB94X	GlobalFiler™					
	15,3,16.3	17,[25]	10,14	12,18	12,12	
4sp	9,10	13,13	13,13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15,15	X,Y	11,12
	20,22			15,17	6,7	8,12
	16,18	11			2	
3KPX34	PowerPlex® Fusion					
	15,3,16.3	17,25	10,14	12,18	12	
4sp	9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22	9,12	10,14		6,7	8,12
	16,18	11				
3V98TH	PowerPlex® Fusion 5C					
	15,3,16.3	17,25	10,14	12,18	12	
4sp	9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22	9,12	10,14		6,7	8,12
	16,18	11				
46VTCL	GlobalFiler™					
	15,3,16.3	17,25	10,14	12,18	12,12	
4sp	9,10	13,13	13,13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15,15	X,Y	11,12
	20,22			15,17	6,7	8,12
	16,18	11			2	
4A7LRR	PowerPlex® Fusion 6C (STRmix)					
	15,3,16.3	17,25	10,14	12,18	12	
4sp	9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22	9,12	10,14	15,17	6,7	8,12
	16,18	11	17	17		
4CEVG4	PowerPlex® Fusion					
	15,3,16.3	17,25	10,14	12,18	12	
4sp	9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22	9,12	10,14		6,7	8,12
	16,18	11				

TABLE 1

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

Item 4sp - STR Results

4EJYCR	GlobalFiler™ (STRmix)				
	15,3,16.3	17,24,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32.2	15	X,Y
	20,22			15,17	4,6,7
	16,18	11			2
4FBHBR	PowerPlex® Fusion 6C (STRmix)				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32.2	15	X,Y
	20,22	9,12	10,14	15,17	6,7
	16,18	11	17	17	
4H4BBG	GlobalFiler™ (STRmix)				
	14,15,3,16.3	17,25	10,14	12,15,18	12
4sp	9,10,11	13	13,14	17,20	8,11,12,13
	13,16,17	12,14	28,31,2,32.2	11,15	X,Y
	20,22,26			15,17,28.2	6,7
	16,17,18	11			2
4HF8FL	PowerPlex® Fusion 6C (STRmix v2.9)				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32.2	15	X,Y
	20,22	9,12	10,14	15,17	6,7
	16,18	11	17	17	
4LFJBL	PowerPlex® Fusion 6C (STRmix 2.9)				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32.2	15	X,Y
	20,22	9,12	10,14	15,17	6,7
	16,18	11	17	17	
4MD2HA	GlobalFiler™ (STRmix)				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32.2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
4MXAK7	PowerPlex® Fusion				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32.2	15	X,Y
	20,22	9,12	10,14		6,7
	16,18	11			

TABLE 1

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

Item 4sp - STR Results

4R7TLJ	GlobalFiler™				
	15,3,16,3	17,25	10,14	12,18	12
	4sp	9,10	13	13	17,20
		13,16	12,14	31,2,32,2	15
		20,22		15,17	6,7
6U8T49	GlobalFiler™ (STRmix)				
	15,3,16,3	17,25	10,14	12,18	12
	4sp	9,10	13	13	17,20
		13,16	12,14	31,2,32,2	15
		20,22		15,17	6,7
6X76Y9	GlobalFiler™ (STRmix)				
	15,3,16,3	17,25	10,14	12,18	12
	4sp	9,10	13	13	17,20
		13,16	12,14	31,2,32,2	15
		20,22		15,17	6,7
78VF6G	PowerPlex® Fusion				
	15,3,16,3	17,25	10,14	12,18	12
	4sp	9,10	13	13	17,20
		13,16	12,14	31,2,32,2	15
		20,22	9,12	10,14	6,7
7FNT2V	Investigator® 24plex QS				
	15,3,16,3	17,25	10,14	12,18	12,12
	4sp	9,10	13,13	13,13	17,20
		13,16	12,14	31,2,32,2	15,15
		20,22		15,17	6,7
7LDBF7	PowerPlex® Fusion 6C (STRmix)				
	15,3,16,3	17,25	10,14	12,18	12
	4sp	9,10	13	13	17,20
		13,16	12,14	31,2,32,2	15
		20,22	9,12	10,14	15,17
7NHV9D	GlobalFiler™ (STRmix)				
	15,3,16,3	17,25	10,14	12,18	12
	4sp	9,10	13	13	17,20
		13,16	12,14	31,2,32,2	15
		20,22		15,17	6,7

TABLE 1

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

Item 4sp - STR Results

7Q9Z2K	PowerPlex® Fusion 5C						
	15.3,16.3	17,25	10,14	12,18	12,12		
	4sp	9,10	13,13	13,13	17,20	8,11	9,12
		13,16	12,14	31.2,32.2	15,15	X,Y	11,12
		20,22	9,12	10,14		6,7	8,12
	16,18	11					
7WD22E	PowerPlex® 21, GlobalFiler™						
	15.3,16.3	17,25	10,14	12,18	12	11,12	
	4sp	9,10	13	13	17,20	8,11	9,12
		13,16	12,14	31.2,32.2	15	X,Y	11,12
		20,22	9,12	10,14	15,17	6,7	8,12
	16,18	11			2		
83WLHY	PowerPlex® Fusion 5C						
	15.3,16.3	17,25	10,14	12,18	12		
	4sp	9,10	13	13	17,20	8,11	9,12
		13,16	12,14	31.2,32.2	15	X,Y	11,12
		20,22	9,12	10,14		6,7	8,12
	16,18	11					
8MJDJG	GlobalFiler™ (Genemapper ID-x)						
	15.3,16.3	17,25	10,14	12,18	12		
	4sp	9,10	13	13	17,20	8,11	9,12
		13,16	12,14	31.2,32.2	15	X,Y	11,12
		20,22		15,17	6,7	8,12	
	16,18	11			2		
8Q2FN2	PowerPlex® Fusion						
	15.3,16.3	17,25	10,14	12,18	12		
	4sp	9,10	13	13	17,20	8,11	9,12
		13,16	12,14	31.2,32.2	15	X,Y	11,12
		20,22	9,12	10,14		6,7	8,12
	16,18	11					
8VCNTC	GlobalFiler™ (STRmix)						
	15.3,16.3	17,25	10,14	12,18	12		
	4sp	9,10	13	13	17,20	8,11	9,12
		13,16	12,14	31.2,32.2	15	X,Y	11,12
		20,22		15,17	6,7	8,12	
	16,18	11			2		
8WUE6H	GlobalFiler™ (Genemapper ID-x)						
	15.3,16.3	17,25	10,14	12,18	12		
	4sp	9,10	13	13	17,20	8,11	9,12
		13,16	12,14	31.2,32.2	15	X,Y	11,12
		20,22		15,17	6,7	8,12	
	16,18	11			2		

TABLE 1

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

Item 4sp - STR Results

96FZLZ	PowerPlex® Fusion 5C					
	15,3,16.3	17,25	10,14	12,18	12	
4sp	9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31.2,32.2	15	X,Y	11,12
	20,22	9,12	10,14		6,7	8,12
	16,18	11				
98KZT6	GlobalFiler™ (STRmix™)					
	15,3,16.3	17,25	10,14	12,18	12	
4sp	9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31.2,32.2	15	X,Y	11,12
	20,22			15,17	6,7	8,12
	16,18	11			2	
9E4WPL	GlobalFiler™					
	15,3,16.3	17,25	10,14	12,18	12,12	
4sp	9,10	13,13	13,13	17,20	8,11	9,12
	13,16	12,14	31.2,32.2	15,15	X,Y	11,12
	20,22			15,17	6,7	8,12
	16,18	11			2	
9RQ7A7	GlobalFiler™					
	15,3,16.3	17,25	10,14	12,18	12,12	
4sp	9,10	13,13	13,13	17,20	8,11	9,12
	13,16	12,14	31.2,32.2	15,15	X,Y	11,12
	20,22			15,17	6,7	8,12
	16,18	11			2	
A2DGZD	GlobalFiler™					
	15,3,16.3	17,25	10,14	12,18	12	
4sp	9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31.2,32.2	15	X,Y	11,12
	20,22			15,17	6,7	8,12
	16,18	11			2	
ABYK9C	PowerPlex® Fusion					
	15,3,16.3	17,25	10,14	12,18	12	
4sp	9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31.2,32.2	15	X,Y	11,12
	20,22	9,12	10,14		6,7	8,12
	16,18	11				
ALZ9ZA	GlobalFiler™ (STRmix)					
	15,3,16.3	17,25	10,14	12,18	12	
4sp	9,10	11,13	13	17,20	8,11,12	9,12
	13,14,16	12,14	31.2,32.2	15	X,Y	11,12
	20,22			15,17	6,7	8,12
	16,18	10,11			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 4sp - STR Results

AYAX84	GlobalFiler™ (STRmix)				
	15,3,16,3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22			15,17	6,7
B4AYHH	16,18	11			2
	GlobalFiler™ (STRmix)				
	15,3,16,3	16,17,24,25	10,14	12,17,18	11,12
	9,10	12,13	12,13	17,20	8,11
	13,15,16	12,13,14	30,2,31,2,32,2	14,15,16	X,Y
B7KATM	19,20,22			15,16,17,18	6,7
	16,17,18	10,11			8,12
	PowerPlex® Fusion 5C				
	15,3,16,3	17,25	10,14	12,18	12,12
	9,10	13,13	13,13	17,20	8,11
BG7DX2	13,16	12,14	31,2,32,2	15,15	X,Y
	20,22	9,12	10,14		6,7
	16,18	11			8,12
	PowerPlex® Fusion 6C				
	15,3,16,3	17,25	10,14	12,18	12
BHX4TZ	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22			15,17	6,7
	16,18	11			8,12
					2
BJ8EZJ	GlobalFiler™ (STRmix)				
	15,3,16,3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22	9,12	10,14	15,17	6,7
BLEYLY	16,18	11	17	17	8,12
	PowerPlex® Fusion 6C (STRmix)				
	15,3,16,3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
BLEYLY	20,22	9,12	10,14		6,7
	16,18	11			8,12
	PowerPlex® Fusion 5C				
	15,3,16,3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
BLEYLY	13,16	12,14	31,2,32,2	15	X,Y
	20,22	9,12	10,14		6,7
	16,18	11			8,12
	PowerPlex® Fusion 5C				
	15,3,16,3	17,25	10,14	12,18	12
BLEYLY	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22	9,12	10,14		6,7
	16,18	11			8,12
	PowerPlex® Fusion 5C				
	15,3,16,3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22	9,12	10,14		6,7
	16,18	11			8,12

TABLE 1

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

Item 4sp - STR Results

BVKDDJ	GlobalFiler™ (STRmix)				
	15,3,16.3	17,25	10,14	12,18	12
	4sp	9,10	13	13	17,20
		13,16	12,14	31,2,32.2	15
		20,22		15,17	6,7
		16,18	11		2
BYJP9J	GlobalFiler™ (STRmix)				
	15,3,16.3	17,25	10,14	12,18	12
	4sp	9,10	13	13	17,20
		13,16	12,14	31,2,32.2	15
		20,22		15,17	6,7
		16,18	11		2
BZDDTZ	GlobalFiler™ (STRmix)				
	15,3,16.3	17,25	10,14	12,18,19	12
	4sp	9,10	11,13	13	17,20
		13,16	12,14	31,2,32.2	15
		20,22		15,16.2,17	6,7
		16,18	9,10,11		2
C64DY3	GlobalFiler™				
	15,3,16.3	17,25	10,14	12,18	12,12
	4sp	9,10	13,13	13,13	17,20
		13,16	12,14	31,2,32.2	15,15
		20,22		15,17	6,7
		16,18	11		2
C979LC	GlobalFiler™				
	15,3,16.3	17,25	10,14	12,18	12
	4sp	9,10	13	13	17,20
		13,16	12,14	31,2,32.2	15
		20,22		15,17	6,7
		16,18	11		2
CD23JD	Investigator® 24plex QS				
	15,3,16.3	17,25	10,14	12,18	12,12
	4sp	9,10	13,13	13,13	17,20
		13,16	12,14	31,2,32.2	15,15
		20,22	N/A	15,17	6,7
		16,18	11	N/A	N/A
CLVB3H	PowerPlex® Fusion 6C (STRmix)				
	15,3,16.3	17,25	10,14	12,18	12
	4sp	9,10	13	13	17,20
		13,16	12,14	31,2,32.2	15
		20,22	9,12	10,14	15,17
		16,18	11	17	17

TABLE 1

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

Item 4sp - STR Results

CVLTHC	Investigator® 24plex QS, FLEX PLEX27				
4sp	15,3,16.3	17,25	10,14	12,18	12,12
	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31.2,32.2	15,15	X,Y
	20,22	N/A	10,14	15,17	6,7
	16,18	11	17	17	N/A
CVZHHH	PowerPlex® Fusion 6C (STRmix)				
4sp	15,3,16.3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22	9,12	10,14	15,17	6,7
	16,18	11	17	17	
CWTBD2	GlobalFiler™				
4sp	15,3,16.3	17,25	10,14	12,18	12,12
	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31.2,32.2	15,15	X,Y
	20,22			15,17	6,7
	16,18	11			2
D4BBGX	GlobalFiler™ (STRmix)				
4sp	15,3,16.3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2,33.2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
D4BD73	GlobalFiler™				
4sp	15,3,16.3	17,25	10,14	12,18	12,12
	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31.2,32.2	15,15	X,Y
	20,22			15,17	6,7
	16,18	11			2
D7EU9L	PowerPlex® Fusion 5C				
4sp	15,3,16.3	17,25	10,14	12,18	12,12
	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31.2,32.2	15,15	X,Y
	20,22	9,12	10,14		6,7
	16,18	11			
DAU8BU	GlobalFiler™				
4sp	15,3,16.3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22			15,17	6,7
	16,18	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 4sp - STR Results

DH7KVB	NGM SElect					
	15,3,16.3	17,25	10,14	12,18		
	4sp	13,13	13,13	17,20		9,12
	13,16	[9],12,14	31.2,32.2	15,15	X,Y	
	20,22			15,17	6,7	
DTN6B2	GlobalFiler™					
	15,3,16.3	17,25	10,14	12,18	12,12	
	4sp	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31.2,32.2	15,15	X,Y	11,12
	20,22			15,17	6,7	8,12
E9WDQV	PowerPlex® Fusion					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y	11,12
	20,22	9,12	10,14		6,7	8,12
E9XK3F	GlobalFiler™ (STRmix)					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y	11,12
	20,22			15,17	6,7	8,12
EBNEUX	PowerPlex® Fusion 6C (STRmix)					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y	11,12
	20,22	9,12	10,14	15,17	6,7	8,12
EFH9UK	PowerPlex® Fusion 5C					
	15,3,16.3	17,25	10,14	12,18	12,12	
	4sp	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31.2,32.2	15,15	X,Y	11,12
	20,22	9,12	10,14		6,7	8,12
ELKFB9	GlobalFiler™					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y	11,12
	20,22			15,17	6,7	8,12

TABLE 1

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

Item 4sp - STR Results

EW3ZTJ	GlobalFiler™				
	15,3,16.3	17,25	10,14	12,18	12
	4sp 9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22			15,17	6,7
EZNIJXM	Investigator® 24plex QS				
	15,3,16.3	17,25	10,14	12,18	12,12
	4sp 9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31.2,32.2	15,15	X,Y
	20,22			15,17	6,7
FBGWHX	GlobalFiler™ (STRmix)				
	15,3,16.3	17,25	10,14	12,18	12
	4sp 9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22			15,17	6,7
FKP2HN	GlobalFiler™				
	15,3,16.3	17,25	10,14	12,18	12
	4sp 9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22			15,17	6,7
FUW7JX	GlobalFiler™ (STRmix)				
	15,3,16.3	17,25	10,14	12,18	12
	4sp 9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22			15,17	6,7
FW3JUR	PowerPlex® Fusion 5C				
	15,3,16.3	17,25	10,14	12,18	12
	4sp 9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22	9,12	10,14		6,7
GA3FRJ	Investigator® 24plex QS				
	15,3,16.3	17,25	10,14	12,18	12,12
	4sp 9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31.2,32.2	15,15	X,Y
	20,22			15,17	6,7

TABLE 1

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

Item 4sp - STR Results

GA68N7	PowerPlex® Fusion 6C					
	15,3,16.3	17,25	10,14	12,18	12	n/a
	4sp 9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22	9,12	10,14	15,17	6,7	8,12
	16,18	11	17	17	n/a	
GDHMXB	GlobalFiler™ (STRmix)					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp 9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22			15,17	6,7	8,12
	16,18	11			2	
HAZANV	GlobalFiler™					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp 9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22			15,17	6,7	8,12
	16,18	11			2	
HBVRPW	GlobalFiler™					
	15,3,16.3	17,25	10,14	12,18	12,12	
	4sp 9,10	13,13	13,13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15,15	X,Y	11,12
	20,22			15,17	6,7	8,12
	16,18	11			2	
HFL3ZU	PowerPlex® Fusion 6C					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp 9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22	9,12	10,14	15,17	6,7	8,12
	16,18	11	17	17		
HGZPD3	PowerPlex® Fusion					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp 9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22	9,12	10,14		6,7	8,12
	16,18	11				
HLVTCU	GlobalFiler™ (STRmix)					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp 9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22			15,17	6,7	8,12
	16,18	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 4sp - STR Results

HRFJPV	GlobalFiler™				
	15,3,16.3	17,25	10,14	12,18	12,12
4sp	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31.2,32.2	15,15	X,Y
	20,22			15,17	6,7
	16,18	11			2
HZRD7J	Investigator® 24plex QS				
	15,3,16.3	17,25	10,14	12,18	12,12
4sp	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31.2,32.2	15,15	X,Y
	20,22			15,17	6,7
	16,18	11			
J3EEMQ	PowerPlex® Fusion				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22	9,12	10,14		6,7
	16,18	11			
J6YLLE	GlobalFiler™ (STRmix V.2.11)				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
J7EPHQ	PowerPlex® Fusion 5C				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22	9,12	10,14		6,7
	16,18	11			
J8A9KR	PowerPlex® Fusion 6C (STRmix)				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22	9,12	10,14	15,17	6,7
	16,18	11	17	17	
J8QYFB	GlobalFiler™ (STRMIX)				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22			15,17	6,7
	16,18	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 4sp - STR Results

J9MXM6	Investigator® 24plex QS (FlexPlex 27)				
4sp	15,3,16,3	17,25	10,14	12,18	12,12
	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31,2,32,2	15,15	X,Y
	20,22	N/A	10,14	15,17	6,7
	16,18	11	17	17	N/A
JC6ZTP	PowerPlex® Fusion				
4sp	15,3,16,3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22	9,12	10,14	15,17	6,7
	16,18	11			
JEMEXB	GlobalFiler™				
4sp	15,3,16,3	17,25	10,14	12,18	12,12
	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31,2,32,2	15,15	X,Y
	20,22			15,17	6,7
	16,18	11			2
JPUYJR	PowerPlex® Fusion 6C				
4sp	15,3,16,3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22	9,12	10,14	15,17	6,7
	16,18	11	17	17	
JTMT4Q	GlobalFiler™ (STRmix)				
4sp	15,3,16,3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22			15,16,2,17	6,7
	16,17,18	11,12			2
K87ZV6	GlobalFiler™				
4sp	15,3,16,3	17,25	10,14	12,18	12,12
	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31,2,32,2	15,15	X,Y
	20,22			15,17	6,7
	16,18	11			2
KJEHBR	GlobalFiler™ (STRmix)				
4sp	15,3,16,3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22			15,17	6,7
	16,18	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 4sp - STR Results

KQULCL	PowerPlex® Fusion					
	15,3,16,3	17,25	10,14	12,18	12	
	4sp 9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22	9,12	10,14		6,7	8,12
KUXF87	PowerPlex® Fusion					
	15,3,16,3	17,25	10,14	12,18	12,12	
	4sp 9,10	13,13	13,13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15,15	X,Y	11,12
	20,22	9,12	10,14		6,7	8,12
KVAQTA	GlobalFiler™ (STRmix)					
	15,3,16,3	17,25	10,14	12,15,18,20	12	
	4sp 9,10,11	13	13	17,20	8,11,12	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22			14,2,15,16,2,17	6,7	8,12
L9VU7E	GlobalFiler™					
	15,3,16,3	17,25	10,14	12,18	12,12	
	4sp 9,10	13,13	13,13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15,15	X,Y	11,12
	20,22			15,17	6,7	8,12
LFTLCM	PowerPlex® Fusion 5C					
	15,3,16,3	17,25	10,14	12,18	12	
	4sp 9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22	9,12	10,14		6,7	8,12
LMF7JA	PowerPlex® Fusion 6C (STRMix)					
	15,3,16,3	17,25	10,14	12,18	12	
	4sp 9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22	9,12	10,14	15,17	6,7	8,12
LMF99E	GlobalFiler™					
	15,3,16,3	17,25	10,14	12,[15],18	12,12	
	4sp 9,10	13,13	13,13	17,20	8,11	9,12
	13,16,[17]	12,14	[28],31,2,32,2	15,15	X,Y	11,12
	20,22,[26]			15,17	6,7	8,[11],12
	16,18	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 4sp - STR Results

LPGCZZ	PowerPlex® Fusion 5C				
4sp	15,3,16.3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22	9,12	10,14	6,7	8,12
	16,18	11			
LQCV33	GlobalFiler™				
4sp	15,3,16.3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
LYPL97	GlobalFiler™ (STRmix)				
4sp	15,3,16.3	17,25	10,14	12,18	12,12
	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31.2,32.2	15,15	X,Y
	20,22			15,17	6,7
	16,18	11			2
M34GQP	GlobalFiler™				
4sp	15,3,16.3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
M3ZGL3	GlobalFiler™				
4sp	15,3,16.3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
M8HJQM	PowerPlex® Fusion 5C				
4sp	15,3,16.3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22	9,12	10,14	6,7	8,12
	16,18	11			
MKJPRP	PowerPlex® 35GY (STRmix)				
4sp	15,3,16.3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22	9,12	10,14	15,17	6,7
	16,18				8,12

TABLE 1

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

Item 4sp - STR Results

MPEJM7	GlobalFiler™ (STRmix)				
4sp	15,3,16,3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
MV7CR2	Investigator® 24plex QS, 27 FlexPlex				
4sp	15,3,16,3	17,25	10,14	12,18	12,12
	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31,2,32,2	15,15	X,Y
	20,22	N/A	10,14	15,17	6,7
	16,18	11	17	17	N/A
MVPZCG	GlobalFiler™				
4sp	15,3,16,3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
MY46UP	GlobalFiler™ (STRmix)				
4sp	15,3,16,3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
MYNEWL	PowerPlex® Fusion				
4sp	15,3,16,3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22	9,12	10,14		6,7
	16,18	11			8,12
N6LVUP	GlobalFiler™ (STRmix)				
4sp	15,3,16,3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
N7WWFN	GlobalFiler™ (STRmix)				
4sp	15,3,16,3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22			15,17	6,7
	16,18	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 4sp - STR Results

NBUJ8Q	GlobalFiler™				
4sp	15,3,16,3	17,25	10,14	12,18	12,12
	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31,2,32,2	15,15	X,Y
	20,22			15,17	6,7
	16,18	11			2
NEQ3AP	GlobalFiler™ (STRmix)				
4sp	15,3,16,3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
NF43L7	PowerPlex® Fusion 6C				
4sp	15,3,16,3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22	9,12	10,14	15,17	6,7
	16,18	11	17	17	
NF7UDM	PowerPlex® Fusion 6C				
4sp	15,3,16,3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22	9,12	10,14	15,17	6,7
	16,18	11	17	17	
NGWVGP	GlobalFiler™ (STRmix)				
4sp	15,3,16,3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
NL9DK6	PowerPlex® Fusion 6C (STRmix V2.6)				
4sp	15,3,16,3	17,25	10,14	12,[15],18	12
	9,10,[11]	13	13	17,20,[23]	8,11,[13]
	13,16	12,14	[28],31,2,32,2	[11],15	X,Y
	20,22,[26]	9,12	10,14,[15]	15,17,[28.2]	6,7,[8]
	16,18	11	17	17	[6],8,[11],12
NQ6PBH	GlobalFiler™				
4sp	15,3,16,3	17,25	10,14	12,18	12,12
	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31,2,32,2	15,15	X,Y
	20,22	--	--	15,17	6,7
	16,18	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 4sp - STR Results

NTT2D9	GlobalFiler™					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp	9,10	13	13	17,20	8,11
		13,16	12,14	31.2,32.2	15	X,Y
		20,22		15,17	6,7	8,12
NWELHD	Investigator® 24plex QS					
	15,3,16.3	17,25	10,14	12,18	12,12	
	4sp	9,10	13,13	13,13	17,20	8,11
		13,16	12,14	31.2,32.2	15,15	X,Y
		20,22		15,17	6,7	8,12
P3Y4DZ	Investigator® 24plex QS					
	15,3,16.3	17,25	10,14	12,18	12,12	N/A
	4sp	9,10	13,13	13,13	17,20	8,11
		13,16	12,14	31.2,32.2	15,15	X,Y
		20,22	N/A	15,17	6,7	8,12
PE8928	GlobalFiler™					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp	9,10	13	13	17,20	8,11
		13,16	12,14	31.2,32.2	15	X,Y
		20,22		15,17	6,7	8,12
PJ33WM	GlobalFiler™					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp	9,10	13	13	17,20	8,11
		13,16	12,14	31.2,32.2	15	X,Y
		20,22		15,17	6,7	8,12
PJLJGW	GlobalFiler™					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp	9,10	13	13	17,20	8,11
		13,16	12,14	31.2,32.2	15	X,Y
		20,22		15,17	6,7	8,12
PKV7W3	GlobalFiler™ (STRmix)					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp	9,10	13	13	17,20	8,11
		13,16	12,14	31.2,32.2	15	X,Y
		20,22		15,17	6,7	8,12

TABLE 1

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

Item 4sp - STR Results

PW8WT7	PowerPlex® Fusion 6C (STRmix)				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22	9,12	10,14	15,17	6,7
	16,18	11	17	17	
PXZUZD	PowerPlex® Fusion 5C				
	15,3,16.3	17,25	10,14	12,18	12,12
4sp	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31,2,32,2	15,15	X,Y
	20,22	9,12	10,14		6,7
	16,18	11			8,12
Q3V22Z	PowerPlex® Fusion				
	15,3,16.3	17,25	10,14	12,18	12,12
4sp	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31,2,32,2	15,15	X,Y
	20,22	9,12	10,14		6,7
	16,18	11			8,12
Q7QPJT	GlobalFiler™ (STRmix)				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22			15,17	6,7
	16,18	11			8,12
QFWWYT	GlobalFiler™ (STRmix)				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22			15,17	6,7
	16,18	11			8,12
QH7JVL	PowerPlex® Fusion 6C				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22	9,12	10,14	15,17	6,7
	16,18	11	17	17	8,12
QKR4K4	GlobalFiler™ (STRmix)				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22			15,16,2,17	6,7
	16,18	10,11			8,12

TABLE 1

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

Item 4sp - STR Results

QMD9B9	GlobalFiler™				
	15,3,16,3	17,25	10,14	12,18	12,12
	4sp 9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31,2,32,2	15,15	X,Y
	20,22			15,17	6,7
	16,18	11			2
QQG4UC	PowerPlex® Fusion 6C				
	15,3,16,3	17,25	10,14	12,18	12,12
	4sp 9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31,2,32,2	15,15	X,Y
	20,22	9,12	10,14	15,17	6,7
	16,18	11	17	17	
QXDUXV	PowerPlex® Fusion				
	15,3,16,3	17,25	10,14	12,18	12
	4sp 9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22	9,12	10,14		6,7
	16,18	11			8,12
QXZ9QH	PowerPlex® Fusion				
	15,3,16,3	17,25	10,14	12,18	12
	4sp 9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22	9,12	10,14		6,7
	16,18	11			8,12
R3MGQ3	PowerPlex® Fusion 6C (STRmix)				
	15,3,16,3	17,25	10,14	12,18	12
	4sp 9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22	9,12	10,14	15,17	6,7
	16,18	11	17	17	8,12
R4FALL	GlobalFiler™				
	15,3,16,3	17,25	10,14	12,18	12
	4sp 9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
RCAEEM	GlobalFiler™				
	15,3,16,3	17,25	10,14	12,18	12,12
	4sp 9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31,2,32,2	15,15	X,Y
	20,22			15,17	6,7
	16,18	11			2

TABLE 1

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

Item 4sp - STR Results

RJB7T4	GlobalFiler™ (STRmix)					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp 9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22			15,17	6,7	8,12
RUDJQJ	GlobalFiler™ (STRmix)					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp 9,10,11	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15,16	X,Y	11,12
	20,22			15,17	6,7	8,12
RWHJZB	PowerPlex® ESX1, Fusion 6C, VeriFiler Plus					
	15,3,16.3	17,25	10,14	12,18	12,12	11,12
	4sp 9,10	13,13	13,13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15,15	X,Y	11,12
	20,22	9,12	10,14	15,17	6,7	8,12
RZEXCK	GlobalFiler™ (STRmix)					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp 9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22			15,17	6,7	8,12
RZJL8Z	PowerPlex® Fusion 5C					
	15,3,16.3	17,25	10,14	12,18	12,12	
	4sp 9,10	13,13	13,13	17,20	8,11,12	9,12
	13,16	12,14	28,31,2,32,2	15,15	X,Y	11,12
	20,22	9,12	10,14		6,7	6,8,11,12
T4G2ZZ	PowerPlex® Fusion 6C					
	15,3,16.3	17,25	10,14	12,18	12,12	
	4sp 9,10	13,13	13,13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15,15	X,Y	11,12
	20,22	9,12	10,14	15,17	6,7	8,12
T739GV	Investigator® 24plex QS, FlexPlex27					
	15,3,16.3	17,25	10,14	12,18	12,12	11,12
	4sp 9,10	13,13	13,13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15,15	X,Y	11,12
	20,22	N/A	10,14	15,17	6,7	8,12
	16,18	11	17	17	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 4sp - STR Results

T8E6KE	PowerPlex® Fusion 5C				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22	9,12	10,14	6,7	8,12
	16,18	11			
TA2PPJ	PowerPlex® Fusion 6C				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22	9,12	10,14	15,17	6,7
	16,18	11	17	17	
TBF9C2	PowerPlex® Fusion 6C (STRmix)				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22	9,12	10,14	15,17	6,7
	16,18	11	17	17	
TC97J9	PowerPlex® Fusion 5C				
	15,3,16.3	17,25	10,14	12,18	12,12
4sp	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31.2,32.2	15,15	X,Y
	20,22	9,12	10,14	6,7	8,12
	16,18	11			
TK2RYZ	GlobalFiler™ (STRmix)				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
TLWXB8	GlobalFiler™				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
TYH6AT	PowerPlex® Fusion				
	15,3,16.3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22	9,12	10,14	6,7	8,12
	16,18	11			

TABLE 1

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

Item 4sp - STR Results

U2QM4H	PowerPlex® Fusion 6C (STRmix)				
4sp	15.3,16.3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22	9,12	10,14	15,17	6,7
	16,18	11	17	17	
U8AHPY	GlobalFiler™ (STRmix)				
4sp	15.3,16.3	17,25	10,14	12,18	12,13
	9,10	13	13	17,20	8,11
	13,16	12,14	30.2,31.2,32.2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
UEFJ82	PowerPlex® Fusion 6C (STRmix)				
4sp	15.3,16.3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22	9,12	10,14	15,17	6,7
	16,18	11	17	17	
UHTGD4	Investigator® 24plex QS				
4sp	15.3,16.3	17,25	10,14	12,18	12,12
	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31.2,32.2	15,15	X,Y
	20,22			15,17	6,7
	16,18	11			
UKF2H8	Investigator® 24plex QS				
4sp	15.3,16.3	17,25	10,14	12,18	12,12
	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31.2,32.2	15,15	X,Y
	20,22			15,17	6,7
	16,18	11			
UKGTEU	Investigator® 24plex QS				
4sp	[14],15.3,16.3	[16],17,25	10,[13],14	12,[15],18	12
	9,10,[11]	13,[14]	13,[16]	17,20,[23]	8,11,[12],[13]
	13,16,[17]	12,14	[28],31.2,32.2	[11],15	X,Y
	20,22,[26]	n/a	n/a	15,17,[28.2]	6,7,[8]
	16,[17],18	11	n/a	n/a	n/a
UKWCYR	PowerPlex® Fusion (STRmix)				
4sp	15.3,16.3	17,25	10,14	12,18	12
	9,10	13	13	17,20	8,11
	13,16	12,14	31.2,32.2	15	X,Y
	20,22	9,12	10,14		6,7
	16,18	11			

TABLE 1

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

Item 4sp - STR Results

UPDGTf	PowerPlex® Fusion 6C					
4sp	15,3,16.3	17,25	10,14	12,18	12	
	9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22	9,12	10,14	15,17	6,7	8,12
	16,18	11	17	17		
V2WQQ6	PowerPlex® Fusion 5C					
4sp	15,3,16.3	17,25	10,14	12,18	12,12	
	9,10	13,13	13,13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15,15	X,Y	11,12
	20,22	9,12	10,14		6,7	8,12
	16,18	11				
V6LVP4	PowerPlex® Fusion 5c					
4sp	15,3,16.3	17,25	10,14	12,18	12,12	
	9,10	13,13	13,13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15,15	X,Y	11,12
	20,22	9,12	10,14		6,7	8,12
	16,18	11				
V7WUKD	PowerPlex® Fusion					
4sp	15,3,16.3	17,25	10,14	12,18	12	
	9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22	9,12	10,14		6,7	8,12
	16,18	11				
VB9GWQ	PowerPlex® Fusion 5C					
4sp	15,3,16.3	17,25	10,14	12,18	12	
	9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22	9,12	10,14		6,7	8,12
	16,18	11				
VQ37Q2	GlobalFiler™					
4sp	15,3,16.3	17,25	10,14	12,18	12	
	9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22			15,17	6,7	8,12
	16,18	11			2	
VRDB4Q	PowerPlex® Fusion					
4sp	15,3,16.3	17,25	10,14	12,18	12	
	9,10	13	13	17,20	8,11	9,12
	13,16	12,14	31,2,32,2	15	X,Y	11,12
	20,22	9,12	10,14		6,7	8,12
	16,18	11				

TABLE 1

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

Item 4sp - STR Results

VW9E3G	GlobalFiler™ (STRmix)					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp	9,10	13	13	17,20	8,11
		13,16	12,14	31.2,32.2	15	X,Y
		20,22		15,17	6,7	8,12
W2FTET	PowerPlex® Fusion 6C (STRmix)					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp	9,10	13	13	17,20	8,11
		13,16	12,14	31.2,32.2	15	X,Y
		20,22	9,12	10,14	15,17	6,7
W6H4FF	PowerPlex® 35GY (STRmix)					
	15,3,16.3	17,25	10,14	12,18	12,12	
	4sp	9,10	13,13	13,13	17,20	8,11
		13,16	12,14	31.2,32.2	15,15	X,Y
		20,22	9,12	10,14	15,17	6,7
WE4ABY	GlobalFiler™ (STRmix)					
	15,3,16.3	17,24,25	10,14	12,18	12,12	
	4sp	9,10	13,13	13,13	17,19,20	8,11
		13,16	12,14	31.2,32.2	15,15	X,Y
		20,22		14.2,15,16.2,17	6,7	8,12
X77JXA	PowerPlex® Fusion 5C					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp	9,10	13	13	17,20	8,11
		13,16	12,14	31.2,32.2	15	X,Y
		20,22	9,12	10,14	6,7	8,12
XD7D3F	GlobalFiler™ (STRmix)					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp	9,10	13	13	17,20	8,11
		13,16	12,14	31.2,32.2	15	X,Y
		20,22		15,17	6,7	8,12
XEJDFX	PowerPlex® Fusion 6C (STRmix)					
	15,3,16.3	17,25	10,14	12,18	12	
	4sp	9,10	13	13	17,20	8,11
		13,16	12,14	31.2,32.2	15	X,Y
		20,22	9,12	10,14	15,17	6,7

TABLE 1

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

Item 4sp - STR Results

XJVF2T	PowerPlex® Fusion 5C						
	15.3,16.3	17,25	10,14	12,18	12,12		
	4sp	9,10	13,13	13,13	17,20	8,11	9,12
		13,16	12,14	31.2,32.2	15,15	X,Y	11,12
		20,22	9,12	10,14		6,7	8,12
	16,18	11					
YR683B	PowerPlex® Fusion						
	15.3,16.3	17,25	10,14	12,18	12		
	4sp	9,10	13	13	17,20	8,11	9,12
		13,16	12,14	31.2,32.2	15	X,Y	11,12
		20,22	9,12	10,14		6,7	8,12
	16,18	11					
YURQ8E	GlobalFiler™						
	15.3,16.3	17,25	10,14	12,18	12		
	4sp	9,10	13	13	17,20	8,11	9,12
		13,16	12,14	31.2,32.2	15	X,Y	11,12
		20,22			15,17	6,7	8,12
	16,18	11			2		
YVMAAF	GlobalFiler™						
	15.3,16.3	17,25	10,14	12,18	12,12		
	4sp	9,10	13,13	13,13	17,20	8,11	9,12
		13,16	12,14	31.2,32.2	15,15	X,Y	11,12
		20,22			15,17	6,7	8,12
	16,18	11			2		
Z68VWP	GlobalFiler™						
	15.3,16.3	17,25	10,14	12,18	12,12		
	4sp	9,10	13,13	13,13	17,20	8,11	9,12
		13,16	12,14	31.2,32.2	15,15	X,Y	11,12
		20,22			15,17	6,7	8,12
	16,18	11			2		
Z6KMML	PowerPlex® Fusion 5C						
	15.3,16.3	17,25	10,14	12,18	12		
	4sp	9,10	13	13	17,20	8,11	9,12
		13,16	12,14	31.2,32.2	15	X,Y	11,12
		20,22	9,12	10,14		6,7	8,12
	16,18	11					
Z8CQD8	PowerPlex® Fusion						
	15.3,16.3	17,25	10,14	12,18	12		
	4sp	9,10	13	13	17,20	8,11	9,12
		13,16	12,14	31.2,32.2	15	X,Y	11,12
		20,22	9,12	10,14		6,7	8,12
	16,18	11					

TABLE 1

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

Item 4sp - STR Results

Z9KB8U	GlobalFiler™ (STRMix)				
	15,3,16,3	17,25	10,14	12,16,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22			15,17	6,7
	16,18	11			2
ZBB2A8	PowerPlex® Fusion 5C (TrueAllele on the nsp (e-cell) fraction)				
	15,3,16,3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22	9,12	10,14		6,7
	16,18	11			8,12
ZN2VL2	Investigator® 24plex QS				
	15,3,16,3	17,25	10,14	12,18	12,12
4sp	9,10	13,13	13,13	17,20	8,11
	13,16	12,14	31,2,32,2	15,15	X,Y
	20,22			15,17	6,7
	16,18	11			8,12
ZQ6PHK	PowerPlex® ESX17				
	15,3,16,3	17,25	10,14	12,18	
4sp		13	13	17,20	9,12
	13,16	12,14	31,2,32,2	15	X,Y
	20,22			15,17	6,7
	16,18				
ZTQBB9	PowerPlex® Fusion				
	15,3,16,3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22	9,12	10,14		6,7
	16,18	11			8,12
ZZAEHB	PowerPlex® Fusion 6C				
	15,3,16,3	17,25	10,14	12,18	12
4sp	9,10	13	13	17,20	8,11
	13,16	12,14	31,2,32,2	15	X,Y
	20,22	9,12	10,14	15,17	6,7
	16,18	11	17	17	8,12

YSTR Amplification Kit(s) & Results

TABLE 2

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

Item 2 - YSTR Results

2B72NX	PowerPlex® Y 23								
		13	17,18	13	31	24	10	11	13
	2	14	10	12	19	15	17		25
		10	12	17	17		23	13	11
2B9UKK	Yfiler™ Plus								
		39,40	13	17,18	13	31	24	10	11
	2	14	10	12	19	33	15	17	10
		41	10		17	17	20	23	
2BPQ9D	Yfiler™ Plus Direct mode								
		39,40	13	17,18	13	31	24	10	11
	2	14	10	12	19	33	15	17	10
		41	10		17	17	20	23	
2C4CML	Yfiler™								
			13	17,18	13	31	24	10	11
	2	14	10	12	19		15	17	
							23		11
2GYGKD	Yfiler™ Plus								
		39,40	13	17,18	13	31	24	10	11
	2	14	10	12	19	33	15	17	10
		41	10		17	17	20	23	
3V98TH	Yfiler™ Plus								
		39,40	13	17,18	13	31	24	10	11
	2	14	10	12	19	33	15	17	10
		41	10		17	17	20	23	
46VTCL	Yfiler™ Plus								
		39,40	13	17,18	13	31	24	10	11
	2	14	10	12	19	33	15	17	10
		41	10		17	17	20	23	
4H4BBG	Yfiler™ Plus								
		39,40	13	17,18	13	31	24	10	11
	2	14	10	12	19	33	15	17	10
		41	10		17	17	20	23	
4MD2HA	Yfiler™ Plus								
		39,40	13	17,18	13	31	24	10	11
	2	14	10	12	19	33	15	17	10
		41	10		17	17	20	23	
4R7TLJ	Yfiler™								
			13	17,18	13	31	24	10	11
	2	14	10	12	19		15	17	
							23		11
6U8T49	Yfiler™ Plus								
		39,40	13	17,18	13	31	24	10	11
	2	14	10	12	19	33	15	17	10
		41	10		17	17	20	23	

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										
6X76Y9		Yfiler™ Plus								
2		39,40	13	17,18	13	31	24	10	11	13
		14	10	12	19	33	15	17	10	25
		41	10		17	17	20	23		11
78VF6G		Yfiler™ Plus								
2		39,40	13	17,18	13	31	24	10	11	13
		14	10	12	19	33	15	17	10	25
		41	10		17	17	20	23		11
7LDBF7		PowerPlex® Y 23								
2			13	17,18	13	31	24	10	11	13
		14	10	12	19		15	17		25
			10	12	17	17		23	13	11
7WD22E		PowerPlex® Y 23								
2			13	17,18	13	31	24	10	11	13
		14	10	12	19		15	17		25
			10	12	17	17		23	13	11
8GC2UN		Yfiler™ Plus								
2		39,40	13	17,18	13	31	24	10	11	13
		14	10	12	19	33	15	17	10	25
		41	10		17	17	20	23		11
8MJDJG		Yfiler™								
2		39,40	13	17,18	13	31	24	10	11	13
		14	10	12	19	33	15	17	10	25
		41	10		17	17	20	23		11
98KZT6		Yfiler™ Plus								
2		39,40	13	17,18	13	31	24	10	11	13
		14	10	12	19	33	15	17	10	25
		41	10		17	17	20	23		11
9E4WPL		Yfiler™ Plus: Direct Mode								
2		39,40	13	17,18	13	31	24	10	11	13
		14	10	12	19	33	15	17	10	25
		41	10		17	17	20	23		11
9RQ7A7		Yfiler™ Plus: Direct Mode								
2		39,40	13	17,18	13	31	24	10	11	13
		14	10	12	19	33	15	17	10	25
		41	10		17	17	20	23		11
A2DGZD		Yfiler™								
2			13	17,18	13	31	24	10	11	13
		14	10	12	19		15	17		
								23		11
AB2CZT		PowerPlex® Y 23								
2			13	17,18	13	31	24	10	11	13
		14	10	12	19		15	17		25
			10	12	17	17		23	13	11
ABYK9C		Yfiler™ Plus								
2		39,40	13	17,18	13	31	24	10	11	13
		14	10	12	19	33	15	17	10	25
		41	10		17	17	20	23		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 2 - YSTR Results										
AJCELT	PowerPlex® Y 23									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17		25	
		10	12	17	17		23	13	11	
ALZ9ZA	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
AYAX84	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
B7KATM	PowerPlex® Y 23									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17		25	
		10	12	17	17		23	13	11	
BVKDDJ	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
C64DY3	Yfiler™ Plus Direct Mode									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
C979LC	Yfiler™									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17			
							23		11	
CWTBD2	Yfiler™ Plus Direct Mode									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
D4BD73	PowerPlex® Y 23									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17		25	
		10	12	17	17		23	13	11	
DTN6B2	Yfiler™ Plus Direct Mode									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
EBNEUX	PowerPlex® Y 23									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17		25	
		10	12	17	17		23	13	11	
EW3ZTJ	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		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 2 - YSTR Results

EZJXJM	Yfiler™									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17			
									23	
FBGWHX	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23			11
FKP2HN	Yfiler™									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23			11
FUW7JX	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23			11
GDHMXB	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23			11
HBVRPW	Yfiler™ Plus Direct Mode									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23			11
HGZPD3	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23			11
HRFJPV	Yfiler™ Plus in Direct Mode									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23			11
HVY9XR	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23			11
J6YLLE	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23			11
J7EPHQ	Yfiler™									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17			
									23	
JEMEXB	Yfiler™ Plus Direct Mode									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23			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 2 - YSTR Results										
JPUYJR	PowerPlex® Y 23									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17		25	
		10	12	17	17		23	13	11	
JTMT4Q	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
KJEHBR	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
KL3HHH	Yfiler™									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17			
							23		11	
KVAQTA	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
LFTLCM	Yfiler™									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17			
							23		11	
LNLX8G	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
LPGCZZ	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
LQCV33	Yfiler™									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17			
							23		11	
M3ZGL3	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
MKJPRP	PowerPlex® 35GY									
2			17,18			24	10			
		10		19		15	17		25	
							23	13		
MKK8HG	Yfiler™									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17			
							23		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 2 - YSTR Results										
N6LVUP	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
N7WWFN	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
NEQ3AP	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
NGWVGP	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
NPUMPJ	PowerPlex® Y 23									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17		25	
		10	12	17	17		23	13	11	
NTT2D9	Yfiler™ Plus									
2	39,40	13	17	13		24	10	11		
		10	12	19		15	17	10	25	
	41	10			17	20	23		11	
P4A6XD	Yfiler™									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17			
							23		11	
PBRGBE	Yfiler™									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17			
							23		11	
PE8928	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
PJ33WM	PowerPlex® Y 23									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17		25	
		10	12	17	17		23	13	11	
PJLJGW	PowerPlex® Y 23									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17		25	
		10	12	17	17		23	13	11	
PZBU2D	Yfiler™									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17			
							23		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 2 - YSTR Results										
QH7JVL	PowerPlex® Y 23									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17		25	
		10	12	17	17		23	13	11	
QMD9B9	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
QXDXUV	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
R4FALL	PowerPlex® Y 23									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17		25	
		10	12	17	17		23	13	11	
R9EN9B	Yfiler™									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17			
							23		11	
RCAEEM	Yfiler™ Plus Direct Mode									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
RUDJQJ	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
RWHJZB										
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17		25	
		10	12	17	17		23	13	11	
RZEXCK	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
TA2PPJ	PowerPlex® Y 23									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17		25	
		10	12	17	17		23	13	11	
TLWXB8	Yfiler™ Plus									
2	39,40	13	17,18	13	31	24	10	11	13	
	14	10	12	19	33	15	17	10	25	
	41	10		17	17	20	23		11	
TUTVXA	Yfiler™									
2		13	17,18	13	31	24	10	11	13	
	14	10	12	19		15	17			
							23		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 2 - YSTR Results										
TYH6AT		Yfiler™ Plus								
2		39,40	13	17,18	13	31	24	10	11	13
		14	10	12	19	33	15	17	10	25
		41	10		17	17	20	23		11
UKWCYR		Yfiler™ Plus								
2		39,40	13	17,18	13	31	24	10	11	13
		14	10	12	19	33	15	17	10	25
		41	10		17	17	20	23		11
UPDGTf		PowerPlex® Y 23								
2			13	17,18	13	31	24	10	11	13
		14	10	12	19		15	17		25
			10	12	17	17		23	13	11
VB9GWQ		Yfiler™ Plus								
2		39,40	13	17,18	13	31	24	10	11	13
		14	10	12	19	33	15	17	10	25
		41	10		17	17	20	23		11
VF76CC		PowerPlex® Y 23								
2			13	17,18	13	31	24	10	11	13
		14	10	12	19		15	17		25
			10	12	17	17		23	13	11
VJ2X68		Yfiler™								
2		39,40	13	17,18	13	31	24	10	11	13
		14	10	12	19	33	15	17	10	25
		41	10		17	17	20	23		11
VQ37Q2		Yfiler™ Plus								
2		39,40	13	17,18	13	31	24	10	11	13
		14	10	12	19	33	15	17	10	25
		41	10		17	17	20	23		11
VRDB4Q		Yfiler™ Plus								
2		39,40	13	17,18	13	31	24	10	11	13
		14	10	12	19	33	15	17	10	25
		41	10		17	17	20	23		11
VW9E3G		Yfiler™ Plus								
2		39,40	13	17,18	13	31	24	10	11	13
		14	10	12	19	33	15	17	10	25
		41	10		17	17	20	23		11
W6H4FF		PowerPlex® 35GY								
2				17,18			24			
			10		19		15	17		25
								23	13	
X77JXA		Yfiler™								
2			13	17,18	13	31	24	10	11	13
		14	10	12	19		15	17		
								23		11
XD7D3F		Yfiler™ Plus								
2		39,40	13	17,18	13	31	24	10	11	13
		14	10	12	19	33	15	17	10	25
		41	10		17	17	20	23		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 2 - YSTR Results

XWE497	Yfiler™								
		13	17,18	13	31	24	10	11	13
	2	14	10	12	19	15	17		
							23		11
Y6NRM4	Yfiler™								
		13	17,18	13	31	24	10	11	13
	2	14	10	12	19	15	17		
							23		11
YURQ8E	PowerPlex® Y 23								
		13	17,18	13	31	24	10	11	13
	2	14	10	12	19	15	17		25
		10	12	17	17		23	13	11
YVMAAF	Yfiler™ Plus: Direct Mode								
	39,40	13	17,18	13	31	24	10	11	13
	2	14	10	12	19	33	15	17	10
	41	10		17	17	20	23		11
Z68VWP	PowerPlex® Y 23								
		13	17,18	13	31	24	10	11	13
	2	14	10	12	19	15	17		25
		10	12	17	17		23	13	11
Z6KMML	Yfiler™ Plus								
	39,40	13	17,18	13	31	24	10	11	13
	2	14	10	12	19	33	15	17	10
	41	10		17	17	20	23		11
Z9KB8U	Yfiler™ Plus								
	39,40	13	17,18	13	31	24	10	11	13
	2	14	10	12	19	33	15	17	10
	41	10		17	17	20	23		11
ZN2VL2	Yfiler™								
		13	17,18	13	31	24	10	11	13
	2	14	10	12	19	15	17		
							23		11
ZQ6PHK	PowerPlex® Y 23								
		13	17,18	13	31	24	10	11	13
	2	14	10	12	19	15	17		25
		10	12	17	17		23	13	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 3 - YSTR Results										
2B9UKK		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
2BPQ9D		Yfiler™ Plus								
3		No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result
		No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result
		No Result	No Result		No Result	No Result	No Result	No Result		No Result
3V98TH		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
78VF6G		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
9E4WPL		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
9RQ7A7		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
ABYK9C		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
C64DY3		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
CWTBD2		Yfiler™ Plus								
3		No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result
		No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result
		No Result	No Result		No Result	No Result	No Result	No Result		No Result
DTN6B2		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
EZNJXM		Yfiler™								
3			--	--	--	--	--	--	--	--
		--	--	--	--		--	--		--
								--		--
HBVRPW		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

HGZPD3	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR		NR	NR	NR	NR		NR
HRFJPV	Yfiler™ Plus								
	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
3	no results	no results		no results	no results	no results	no results		no results
JEMEXB	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR		NR	NR	NR	NR		NR
LPGCZZ	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR		NR	NR	NR	NR		NR
NEQ3AP	Yfiler™ Plus								
3									
QXDUXV	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR		NR	NR	NR	NR		NR
RCAEEM	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR		NR	NR	NR	NR		NR
RWHJZB	PowerPlex® Y 23								
3									
TYH6AT	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR		NR	NR	NR	NR		NR
UKWCYR	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR		NR	NR	NR	NR		NR
VB9GWQ	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR		NR	NR	NR	NR		NR
VRDB4Q	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	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

W6H4FF PowerPlex® 35GY

3

YVMAAF	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
Z6KMML	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
ZN2VL2	Yfiler™								
3	--	--	--	--	--	--	--	--	--
	--	--	--	--		--	--		--
							--		--

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										
8MJDJG		Yfiler™								
4		35	14	11,14	13	29	21	11	13	13
		15	21	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
AB2CZT		PowerPlex® Y 23								
4			14	11,14	13	29	21	11	13	13
		15	12	12	19		18	17		22
			14	12	17	17		23	10	12
AJCELT		PowerPlex® Y 23								
4			14	11,14	13	29	21	11	13	13
		15	12	12	19		18	17		22
			14	12	17	17		23	10	12
LNLX8G		Yfiler™ Plus								
4		35	14	11,14	13	29	21	11	13	13
		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
VJ2X68		Yfiler™								
4		35,35	14	11,14	13	29	21	11	13	13
		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4e - YSTR Results										
2B72NX	PowerPlex® Y 23									
		14	11,14	13	29	21	11	13	13	
4e		15	12	12	19		18	17		22
		14	12	17	17			23	10	12
2B9UKK	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
2BPQ9D	Yfiler™ Plus									
		35,35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
2C4CML	Yfiler™									
		14	11,14	13	29	21	11	13	13	
4e		15	12	12	19		18	17		
								23		12
2GYGKD	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
3V98TH	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
46VTCL	Yfiler™ Plus									
4e										
4H4BBG	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
4MD2HA	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
4R7TLJ	Yfiler™									
		14	11,14	13	29	21	11	13	13	
4e		15	12	12	19		18	17		
								23		12
6U8T49	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
6X76Y9	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12

TABLE 2

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

Item 4e - YSTR Results

78VF6G	Yfiler™ Plus								
	35	14	11,14	13	29	21	11	13	13
4e	15	12	12	19	30	18	17	10	22
	37	14		17	17	21	23		12
7LDBF7	PowerPlex® Y 23								
		14	11,14	13	29	21	11	13	13
4e	15	12	12	19		18	17		22
		14	12	17	17		23	10	12
7WD22E	PowerPlex® Y 23								
		14	11,14	13	29	21	11	13	13
4e	15	12	12	19		18	17		22
		14	12	17	17		23	10	12
98KZT6	Yfiler™ Plus								
	35	14	11,14	13	29	21	11	13	13
4e	15	12	12	19	30	18	17	10	22
	37	14		17	17	21	23		12
9E4WPL	Yfiler™ Plus								
	35,35	14	11,14	13	29	21	11	13	13
4e	15	12	12	19	30	18	17	10	22
	37	14		17	17	21	23		12
9RQ7A7	Yfiler™ Plus								
	35,35	14	11,14	13	29	21	11	13	13
4e	15	12	12	19	30	18	17	10	22
	37	14		17	17	21	23		12
A2DGZD	Yfiler™								
		14	11,14	13	29	21	11	13	13
4e	15	12	12	19		18	17		
							23		12
ABYK9C	Yfiler™ Plus								
	35	14	11,14	13	29	21	11	13	13
4e	15	12	12	19	30	18	17	10	22
	37	14		17	17	21	23		12
ALZ9ZA	Yfiler™ Plus								
	35	14	11,14	13	29	21	11	13	13
4e	15	12	12	19	30	18	17	10	22
	37	14		17	17	21	23		12
AYAX84	Yfiler™ Plus								
	35	14	11,14	13	29	21	11	13	13
4e	15	12	12	19	30	18	17	10	22
	37	14		17	17	21	23		12
B7KATM	PowerPlex® Y 23								
		14	11,14	13	29	21	11	13	13
4e	15	12	12	19		18	17		22
		14	12	17	17		23	10	12
BVKDDJ	Yfiler™ Plus								
	35	14	11,14	13	29	21	11	13	13
4e	15	12	12	19	30	18	17	10	22
	37	14		17	17	21	23		12

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4e - YSTR Results										
C64DY3	Yfiler™ Plus	35,35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
C979LC	Yfiler™		14	11,14	13	29	21	11	13	13
4e		15	12	12	19		18	17		
								23		12
CWTBD2	Yfiler™ Plus	35,35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
D4BD73	PowerPlex® Y 23		14	11,14	13	29	21	11	13	13
4e		15	12	12	19		18	17		22
			14	12	17	17		23	10	12
DTN6B2	Yfiler™ Plus	35,35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
EBNEUX	PowerPlex® Y 23		14	11,14	13	29	21	11	13	13
4e		15	12	12	19		18	17		22
			14	12	17	17		23	10	12
EW3ZTJ	Yfiler™ Plus									
4e										
EZNJXM	Yfiler™		14	11,14	13	29	21	11	13	13
4e		15	12	12	19		18	17		
								23		12
FBGWHX	Yfiler™ Plus	35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
FKP2HN	Yfiler™	35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
FUW7JX	Yfiler™ Plus	35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
GDHMXB	Yfiler™ Plus									
4e										

TABLE 2

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

Item 4e - YSTR Results

HBVRPW	Yfiler™ Plus								
	35,35	14	11,14	13	29	21	11	13	13
4e	15	12	12	19	30	18	17	10	22
	37	14		17	17	21	23		12
HGZPD3	Yfiler™ Plus								
	35	14	11,14	13	29	21	11	13	13
4e	15	12	12	19	30	18	17	10	22
	37	14		17	17	21	23		12
HRFJPV	Yfiler™ Plus								
	35,35	14	11,14	13	29	21	11	13	13
4e	15	12	12	19	30	18	17	10	22
	37	14		17	17	21	23		12
J6YLLE	Yfiler™ Plus								
4e									
J7EPHQ	Yfiler™								
		14	11,14	13	29	21	11	13	13
4e	15	12	12	19		18	17		
							23		12
JEMEXB	Yfiler™ Plus								
	35,35	14	11,14	13	29	21	11	13	13
4e	15	12	12	19	30	18	17	10	22
	37	14		17	17	21	23		12
JPUYJR	PowerPlex® Y 23								
		14	11,14	13	29	21	11	13	13
4e	15	12	12	19		18	17		22
		14	12	17	17		23	10	12
JTMT4Q	Yfiler™ Plus								
4e									
KJEHBR	Yfiler™ Plus								
	35	14	11,14	13	29	21	11	13	13
4e	15	12	12	19	30	18	17	10	22
	37	14		17	17	21	23		12
KL3HHH	Yfiler™								
		14	11,14	13	29	21	11	13	13
4e	15	12	12	19		18	17		
							23		12
KVAQTA	Yfiler™ Plus								
	35	14	11,14	13	29	21	11	13	13
4e	15	12	12	19	30	18	17	10	22
	37	14		17	17	21	23		12
LFTLCM	Yfiler™								
		14	11,14	13	29	21	11	13	13
4e	15	12	12	19		18	17		
							23		12

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4e - YSTR Results										
LPGCZZ	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
LQCV33	Yfiler™									
			14	11,14	13	29	21	11	13	13
4e		15	12	12	19		18	17		
								23		12
M3ZGL3	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
MKJPRP	PowerPlex® 35GY									
				11,14			21	11		
4e			12		19		18	17		22
								23	10	
MKK8HG	Yfiler™									
			14	11,14	13	29	21	11	13	13
4e		15	12	12	19		18	17		
								23		12
N6LVUP	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
N7WWFN	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
NEQ3AP	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
NGWVGP	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
NPUMPJ	PowerPlex® Y 23									
			14	11,14	13	29	21	11	13	13
4e		15	12	12	19		18	17		22
			14	12	17	17		23	10	12
NTT2D9	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4e		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
P4A6XD	Yfiler™									
			14	11,14	13	29	21	11	13	13
4e		15	12	12	19		18	17		
								23		12

TABLE 2

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

Item 4e - YSTR Results

PBRGBE	Yfiler™								
		14	11,14	13	29	21	11	13	13
4e	15	12	12	19		18	17		
							23		12
PE8928	Yfiler™ Plus								
	35	14	11,14	13	29	21	11	13	13
4e	15	12	12	19	30	18	17	10	22
	37	14		17	17	21	23		12
PJ33WM	PowerPlex® Y 23								
4e									
PJLJGW	PowerPlex® Y 23								
4e									
PZBU2D	Yfiler™								
		14	11,14	13	29	21	11	13	13
4e	15	12	12	19		18	17		
							23		12
QH7JVL	PowerPlex® Y 23								
		14	11,14	13	29	21	11	13	13
4e	15	12	12	19		18	17		22
		14	12	17	17		23	10	12
QMD9B9	Yfiler™ Plus								
	35,35	14	11,14	13	29	21	11	13	13
4e	15	12	12	19	30	18	17	10	22
	37	14		17	17	21	23		12
QXDXUV	Yfiler™ Plus								
	35	14	11,14	13	29	21	11	13	13
4e	15	12	12	19	30	18	17	10	22
	37	14		17	17	21	23		12
R4FALL	PowerPlex® Y 23								
4e									
R9EN9B	Yfiler™								
		14	11,14	13	29	21	11	13	13
4e	15	12	12	19		18	17		
							23		12
RCAEEM	Yfiler™ Plus								
	35,35	14	11,14	13	29	21	11	13	13
4e	15	12	12	19	30	18	17	10	22
	37	14		17	17	21	23		12
RUDJQJ	Yfiler™ Plus								
4e									

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4e - YSTR Results										
RWHJZB	PowerPlex® Y 23									
4e		14	11,14	13	29	21	11	13	13	
	15	12	12	19		18	17		22	
		14	12	17	17		23	10	12	
RZEXCK	Yfiler™ Plus									
4e	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
TA2PPJ	PowerPlex® Y 23									
4e		14	11,14	13	29	21	11	13	13	
	15	12	12	19		18	17		22	
		14	12	17	17		23	10	12	
TLWXB8	Yfiler™ Plus									
4e	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
TUTVXA	Yfiler™									
4e		14	11,14	13	29	21	11	13	13	
	15	12	12	19		18	17			
							23		12	
TYH6AT	Yfiler™ Plus									
4e	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
UHTGD4	Yfiler™ Plus									
4e										
UKWCYR	Yfiler™ Plus									
4e	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
UPDGTF	PowerPlex® Y 23									
4e		14	11,14	13	29	21	11	13	13	
	15	12	12	19		18	17		22	
		14	12	17	17		23	10	12	
VB9GWQ	Yfiler™ Plus									
4e	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
VF76CC	PowerPlex® Y 23									
4e		14	11,14	13	29	21	11	13	13	
	15	12	12	19		18	17		22	
		14	12	17	17		23	10	12	
VQ37Q2	Yfiler™ Plus									
4e	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4e - YSTR Results										
VRDB4Q	Yfiler™ Plus									
4e	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
VW9E3G	Yfiler™ Plus									
4e	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
W6H4FF	PowerPlex® 35GY									
4e			11,14			21				
		12		19		18	17		22	
							23	10		
X77JXA	Yfiler™									
4e		14	11,14	13	29	21	11	13	13	
	15	12	12	19		18	17			
							23		12	
XD7D3F	Yfiler™ Plus									
4e	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
XWE497	Yfiler™									
4e		14	11,14	13	29	21	11	13	13	
	15	12	12	19		18	17			
							23		12	
Y6NRM4	Yfiler™									
4e		14	11,14	13	29	21	11	13	13	
	15	12	12	19		18	17			
							23		12	
YURQ8E	PowerPlex® Y 23									
4e										
YVMAAF	Yfiler™ Plus									
4e	35,35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
Z68VWP	PowerPlex® Y 23									
4e		14	11,14	13	29	21	11	13	13	
	15	12	12	19		18	17		22	
		14	12	17	17		23	10	12	
Z6KMML	Yfiler™ Plus									
4e	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
Z9KB8U	Yfiler™ Plus									
4e										

TABLE 2

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

Item 4e - YSTR Results

ZN2VL2		Yfiler™							
		14	11,14	13	29	21	11	13	13
4e	15	12	12	19		18	17		
							23		12
ZQ6PHK		PowerPlex® Y 23							
		14	11,14	13	29	21	11	13	13
4e	15	12	12	19		18	17		22
		14	12	17	17		23	10	12

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results										
2B72NX	PowerPlex® Y 23									
		14	11,14	13	29	21	11	13	13	
4sp		15	12	12	19		18	17		22
		14	12	17	17			23	10	12
2B9UKK	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4sp		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
2BPQ9D	Yfiler™ Plus									
		35,35	14	11,14	13	29	21	11	13	13
4sp		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
2C4CML	Yfiler™									
		14	11,14	13	29	21	11	13	13	
4sp		15	12	12	19		18	17		
								23		12
2GYGKD	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4sp		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
3V98TH	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4sp		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
46VTCL	Yfiler™ Plus									
		35,35	14	11,14	13	29	21	11	13	13
4sp		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
4H4BBG	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4sp		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
4MD2HA	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4sp		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
4R7TLJ	Yfiler™									
		14	11,14	13	29	21	11	13	13	
4sp		15	12	12	19		18	17		
								23		12
6U8T49	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4sp		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
6X76Y9	Yfiler™ Plus									
		35	14	11,14	13	29	21	11	13	13
4sp		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results										
78VF6G		Yfiler™ Plus								
		35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
7LDBF7		PowerPlex® Y 23								
			14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19		18	17		22
			14	12	17	17		23	10	12
7WD22E		PowerPlex® Y 23								
			14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19		18	17		22
			14	12	17	17		23	10	12
98KZT6		Yfiler™ Plus								
		35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
9E4WPL		Yfiler™ Plus								
		35,35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
9RQ7A7		Yfiler™ Plus								
		35,35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
A2DGZD		Yfiler™								
			14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19		18	17		
								23		12
ABYK9C		Yfiler™ Plus								
		35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
ALZ9ZA		Yfiler™ Plus								
		35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
AYAX84		Yfiler™ Plus								
		35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
B7KATM		PowerPlex® Y 23								
			14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19		18	17		22
			14	12	17	17		23	10	12
BVKDDJ		Yfiler™ Plus								
		35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12

TABLE 2

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 4sp - YSTR Results										
C64DY3	Yfiler™ Plus									
4sp	35,35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
C979LC	Yfiler™									
4sp		14	11,14	13	29	21	11	13	13	
	15	12	12	19		18	17			
							23		12	
CWTBD2	Yfiler™ Plus									
4sp	35,35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
D4BD73	PowerPlex® Y 23									
4sp		14	11,14	13	29	21	11	13	13	
	15	12	12	19		18	17		22	
		14	12	17	17		23	10	12	
DTN6B2	Yfiler™ Plus									
4sp	35,35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
EBNEUX	PowerPlex® Y 23									
4sp		14	11,14	13	29	21	11	13	13	
	15	12	12	19		18	17		22	
		14	12	17	17		23	10	12	
EW3ZTJ	Yfiler™ Plus									
4sp	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
EZNJXM	Yfiler™									
4sp		14	11,14	13	29	21	11	13	13	
	15	12	12	19		18	17			
							23		12	
FBGWHX	Yfiler™ Plus									
4sp	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
FKP2HN	Yfiler™									
4sp	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
FUW7JX	Yfiler™ Plus									
4sp	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
GDHMXB	Yfiler™ Plus									
4sp	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	

TABLE 2

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 4sp - YSTR Results										
HBVRPW	Yfiler™ Plus									
4sp	35,35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
HGZPD3	Yfiler™ Plus									
4sp	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
HRFJPV	Yfiler™ Plus									
4sp	35,35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
J6YLLE	Yfiler™ Plus									
4sp	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
J7EPHQ	Yfiler™									
4sp		14	11,14	13	29	21	11	13	13	
	15	12	12	19		18	17			
							23		12	
JEMEXB	Yfiler™ Plus									
4sp	35,35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
JPUYJR	PowerPlex® Y 23									
4sp		14	11,14	13	29	21	11	13	13	
	15	12	12	19		18	17		22	
		14	12	17	17		23	10	12	
JTMT4Q	Yfiler™ Plus									
4sp	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
KJEHBR	Yfiler™ Plus									
4sp	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
KL3HHH	Yfiler™									
4sp		14	11,14	13	29	21	11	13	13	
	15	12	12	19		18	17			
							23		12	
KVAQTA	Yfiler™ Plus									
4sp	35	14	11,14	13	29	21	11	13	13	
	15	12	12	19	30	18	17	10	22	
	37	14		17	17	21	23		12	
LFTLCM	Yfiler™									
4sp		14	11,14	13	29	21	11	13	13	
	15	12	12	19		18	17			
							23		12	

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results										
LPGCZZ		Yfiler™ Plus								
		35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
LQCV33		Yfiler™								
			14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19		18	17		
								23		12
M3ZGL3		Yfiler™ Plus								
		35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
MKJPRP		PowerPlex® 35GY								
				11,14			21	11		
	4sp		12		19		18	17		22
								23	10	
MKK8HG		Yfiler™								
			14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19		18	17		
								23		12
N6LVUP		Yfiler™ Plus								
		35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
N7WWFN		Yfiler™ Plus								
		35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
NEQ3AP		Yfiler™ Plus								
		35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
NGWVGP		Yfiler™ Plus								
		35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
NPUMPJ		PowerPlex® Y 23								
			14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19		18	17		22
			14	12	17	17		23	10	12
NTT2D9		Yfiler™ Plus								
		35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
P4A6XD		Yfiler™								
			14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19		18	17		
								23		12

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results										
PBRGBE	Yfiler™		14	11,14	13	29	21	11	13	13
4sp		15	12	12	19		18	17		
								23		12
PE8928	Yfiler™ Plus	35	14	11,14	13	29	21	11	13	13
4sp		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
PJ33WM	PowerPlex® Y 23		14	11,14	13	29	21	11	13	13
4sp		15	12	12	19		18	17		22
			14	12	17	17		23	10	12
PJLJGW	PowerPlex® Y 23		14	11,14	13	29	21	11	13	13
4sp		15	12	12	19		18	17		22
			14	12	17	17		23	10	12
PZBU2D	Yfiler™		14	11,14	13	29	21	11	13	13
4sp		15	12	12	19		18	17		
								23		12
QH7JVL	PowerPlex® Y 23		14	11,14	13	29	21	11	13	13
4sp		15	12	12	19		18	17		22
			14	12	17	17		23	10	12
QMD9B9	Yfiler™ Plus	35,35	14	11,14	13	29	21	11	13	13
4sp		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
QXDXUV	Yfiler™ Plus	35	14	11,14	13	29	21	11	13	13
4sp		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
R4FALL	PowerPlex® Y 23		14	11,14	13	29	21	11	13	13
4sp		15	12	12	19		18	17		22
			14	12	17	17		23	10	12
R9EN9B	Yfiler™		14	11,14	13	29	21	11	13	13
4sp		15	12	12	19		18	17		
								23		12
RCAEEM	Yfiler™ Plus	35,35	14	11,14	13	29	21	11	13	13
4sp		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
RUDJQJ	Yfiler™ Plus	35	14	11,14	13	29	21	11	13	13
4sp		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results										
RWHJZB	PowerPlex® Y 23									
4sp		14	11,14	13	29	21	11	13	13	
		15	12	12	19	18	17		22	
		14	12	17	17		23	10	12	
RZEXCK	Yfiler™ Plus									
4sp		35	14	11,14	13	29	21	11	13	13
		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
TA2PPJ	PowerPlex® Y 23									
4sp		14	11,14	13	29	21	11	13	13	
		15	12	12	19	18	17		22	
		14	12	17	17		23	10	12	
TLWXB8	Yfiler™ Plus									
4sp		35	14	11,14	13	29	21	11	13	13
		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
TUTVXA	Yfiler™									
4sp		14	11,14	13	29	21	11	13	13	
		15	12	12	19	18	17			
							23		12	
TYH6AT	Yfiler™ Plus									
4sp		35	14	11,14	13	29	21	11	13	13
		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
UHTGD4	Yfiler™ Plus									
4sp		35	14	11,14	13	29	21	11	13	13
		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
UKWCYR	Yfiler™ Plus									
4sp		35	14	11,14	13	29	21	11	13	13
		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
UPDGTF	PowerPlex® Y 23									
4sp		14	11,14	13	29	21	11	13	13	
		15	12	12	19	18	17		22	
		14	12	17	17		23	10	12	
VB9GWQ	Yfiler™ Plus									
4sp		35	14	11,14	13	29	21	11	13	13
		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
VF76CC	PowerPlex® Y 23									
4sp		14	11,14	13	29	21	11	13	13	
		15	12	12	19	18	17		22	
		14	12	17	17		23	10	12	
VQ37Q2	Yfiler™ Plus									
4sp		35	14	11,14	13	29	21	11	13	13
		15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results										
VRDB4Q		Yfiler™ Plus								
		35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
VW9E3G		Yfiler™ Plus								
		35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
W6H4FF		PowerPlex® 35GY								
				11,14			21			
	4sp		12		19		18	17		22
								23	10	
X77JXA		Yfiler™								
			14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19		18	17		
								23		12
XD7D3F		Yfiler™ Plus								
		35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
XWE497		Yfiler™								
			14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19		18	17		
								23		12
Y6NRM4		Yfiler™								
			14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19		18	17		
								23		12
YURQ8E		PowerPlex® Y 23								
			14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19		18	17		22
			14	12	17	17		23	10	12
YVMAAF		Yfiler™ Plus								
		35,35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
Z68VWP		PowerPlex® Y 23								
			14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19		18	17		22
			14	12	17	17		23	10	12
Z6KMML		Yfiler™ Plus								
		35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12
Z9KB8U		Yfiler™ Plus								
		35	14	11,14	13	29	21	11	13	13
	4sp	15	12	12	19	30	18	17	10	22
		37	14		17	17	21	23		12

TABLE 2

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

Item 4sp - YSTR Results

ZN2VL2	Yfiler™								
		14	11,14	13	29	21	11	13	13
4sp	15	12	12	19		18	17		
							23		12
ZQ6PHK	PowerPlex® Y 23								
		14	11,14	13	29	21	11	13	13
	15	12	12	19		18	17		22
		14	12	17	17		23	10	12

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
DXS10074	EYMJGF	15,16	18	12,16					
DXS10079	EYMJGF	19,20	21	20,22					
DXS10101	EYMJGF	30.2,33	29.2	32.2,33					
DXS10103	EYMJGF	19,20	16	17,18					
DXS10134	EYMJGF	37,39.3	36	32,42.3					
DXS10135	EYMJGF	19,23	27	13,20					
DXS10146	EYMJGF	34.2,42.2	42.2	30,43.2					
DXS10148	EYMJGF	18,>38.1	26.1	25,31					
DXS7132	EYMJGF	13,15	13	14					
DXS7423	EYMJGF	14,15	14	15,17					
DXS8378	EYMJGF	10,11	12	11,12					
HPRTB	EYMJGF	13	12	13,16					

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	<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
29JX2D	No	Yes	No	No	4CEVG4	No	Yes	No	No
2B72NX	No	Yes	No	No	4EJYCR	No	Yes	No	No
2B9UKK	No	Yes	No	No	4FBHBR	No	Yes	No	No
2BPQ9D	No	Yes	No	No	4H4BBG	No	Yes	No	No
2C4CML	No	Yes	No	No	4HF8FL	No	Yes	No	No
2E6HY7	No	Yes	No	No	4LFJBL	No	Yes	No	No
2EPYEA	No	Yes	No	No	4MD2HA	No	Yes	No	No
2GUYME	No	Yes	No	No	4MXAK7	No	Yes	No	No
2GYGKD	No	Yes	No	No	4R7TLJ	No	Yes	No	No
2WQGAR		No Interp		No Interp	6U8T49	No	Yes	No	No
2XLYBT	No	Yes	No	No	6X76Y9	No	Yes	No	No
32ZG4G	No	Yes	No	No	78VF6G	No	Yes	No	No
37VNPQ	No	Yes	No	No	7FNT2V	No	Yes	No	No
39Y4TV	No	Yes	No	No	7LDBF7	No	Yes	No	No
3BMFUM	No	Yes	No	No	7NHV9D	No	Yes	No	No
3KB94X	No	Yes	No	No	7Q9Z2K	No	Yes	No	No
3KPX34	No	Yes	No	No	7RHAQW	No	Yes	No	No
3V98TH	No	Yes	No	No	7WD22E	No	Yes	No	No
46VTCL	No	Yes	No	No	83WLHY	No	Yes	No	No
4A7LRR	No	Yes	No	No	8GC2UN	No Interpretations Reported, DNA Analyzed for Database purposes only.			

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
8MJDJG	No	Yes	No	No	BVKDDJ	No	Yes	No	No
8Q2FN2	No	Yes	No	No	BYJP9J	No	Yes	No	No
8VCNTC	No	Yes	No	No	BZDDTZ	No	Yes	No	No
8WUE6H	No	Yes	No	No	C64DY3	No	Yes	No	No
96FZLZ	No	Yes	No	No	C979LC	No	Yes	No	No
98KZT6	No	Yes	No	No	CD23JD	No	Yes	No	No
9E4WPL	No	Yes	No	No	CLVB3H	No	Yes	No	No
9RPBLU				Yes	CVLTHC	No	Yes	No	No
9RQ7A7	No	Yes	No	No	CVX64F	No	Yes	No	No
A2DGZD	No	Yes	No	No	CVZHHH	No	Yes	No	No
AB2CZT	No	Yes	No	No	CWTBD2	No	Yes	No	No
ABYK9C	No	Yes	No	No	D4BBGX	No	Yes	No	No
AJCELT	No	Yes	No	No	D4BD73	No	Yes	No	No
ALZ9ZA	No	Yes	No	No	D7EU9L	No	Yes	No	No
AYAX84	No	Yes	No	No	DAU8BU	No	Yes	No	No
B4AYHH	No Interp	No Interp	No Interp	No Interp	DH7KVB	No	Yes	No	No
B7KATM	No	Yes	No	No	DTN6B2	No	Yes	No	No
BG7DX2	No	Yes	No	No	DWP93M				
BHX4TZ	No	Yes	No	No	E9WDQV	No	Yes	No	No
BJ8EZJ	No	Yes	No	No	E9XK3F	No	Yes	No	No
BLELYL	No	Yes	No	No	EBNEUX	No	Yes	No	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
EFH9UK	No	Yes	No	No	J6YLLE	No	Yes	No	No
ELKFB9	No	Yes	No	No	J7EPHQ	No	Yes	No	No
EW3ZTJ	No	Yes	No	No	J8A9KR	No	Yes	No	No
EYMJGF	No	No Interp	No	No Interp	J8QYFB	No	Yes	No	No
EZNJXM	No	Yes	No	No	J9MXM6	No	Yes	No	No
FBGWHX	No	Yes	No	No	JC6ZTP	No	Yes	No	No
FKP2HN	No	Yes	No	No	JEMEXB	No	Yes	No	No
FUW7JX	No	Yes	No	No	JKBEJA	No Interp	No Interp	No Interp	No Interp
FW3JUR	No	Yes	No	No	JPUYJR	No	Yes	No	No
GA3FRJ	No	Yes	No	No	JTMT4Q	No	Yes	No	No
GA68N7	No	Yes	No	No	K87ZV6	No	Yes	No	No
GDHMXB	No	Yes	No	No	KJEHBR	No	Yes	No	No
HAZANV	No	Yes	No	No	KL3HHH	No Interp	No Interp	No Interp	No
HBVRPW	No	Yes	No	No	KQULCL	No	Yes	No	No
HFL3ZU	No	Yes	No	No	KUXF87	No Interp	No Interp	No Interp	No Interp
HGZPD3	No	Yes	No	No	KVAQTA	No	Yes	No	No
HLVTCU	No	Yes	No	No	L9VU7E	No	Yes	No	No
HRFJPV	No	Yes	No	No	LCUHR9	No Interpretations Reported, DNA Analyzed for Database purposes only.			
HVY9XR	No Interpretations Reported, DNA Analyzed for Database purposes only.				LFTLCM	No	Yes	No	No
HZRD7J	No	Yes	No	No	LMF7JA	No	Yes	No	No
J3EEMQ	No	Yes	No	No	LMF99E	No	Yes	No	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
LNLX8G	No	Yes	No	No	NL9DK6	No	Yes	No	No
LPGCZZ	No	Yes	No	No	NPUMPJ	No Interp	No Interp	No Interp	No
LQCV33	No	Yes	No	No	NQ6PBH	No	Yes	No	No
LYPL97	No	Yes	No	No	NTT2D9	No	Yes	No	No
M34GQP	No	Yes	No	No	NWELHD	No	Yes	No	No
M3ZGL3	No	Yes	No	No	P3Y4DZ	No	Yes	No	No
M8HJQM	No	Yes	No	No	P4A6XD	No Interp	No Interp	No Interp	No
MKJPRP	No	Yes	No	No	PBRGBE	No Interp	No Interp	No Interp	No
MKK8HG	No Interp	No Interp	No Interp	No	PE8928	No	Yes	No	No
MPEJM7	No	Yes	No	No	PJ33WM	No	Yes	No	No
MV7CR2	No	Yes	No	No	PJLJGW	No	Yes	No	No
MVPZCG	No	Yes	No	No	PKV7W3	No	Yes	No	No
MY46UP	No	Yes	No	No	PW8WT7	No	Yes	No	No
MYNEWL	No	Yes	No	No	PXZUZD	No Interp	No Interp	No Interp	No Interp
N6LVUP	No	Yes	No	No	PZBU2D	No Interp	No Interp	No Interp	No
N7WWFN	No	Yes	No	No	Q3V22Z	No	Yes	No	No
NBUJ8Q	No	Yes	No	No	Q7QPJT	No	Yes	No	No
NEQ3AP	No	Yes	No	No	QFWWYT	No	Yes	No	No
NF43L7	No Interp	No Interp	No Interp	No Interp	QH7JVL	No	Yes	No	No
NF7UDM	No	Yes	No	No	QKR4K4	No	Yes	No	No
NGWVGP	No	Yes	No	No	QMD9B9	No	Yes	No	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
QQG4UC	No	Yes	No	No	TYH6AT	No	Yes	No	No
QXDXUV	No	Yes	No	No	U2QM4H	No	Yes	No	No
QXZ9QH	No	Yes	No	No	U8AHPY	No	Yes	No	No
R3MGQ3	No	Yes	No	No	UEFJ82	No	Yes	No	No
R4FALL	No	Yes	No	No	UHTGD4	No	Yes	No	No
R9EN9B	No Interp	No Interp	No Interp	No	UKF2H8	No	Yes	No	No
RCAEEM	No	Yes	No	No	UKGTEU	No	Yes	No	No
RJB7T4	No	Yes	No	No	UKWCYR	No	Yes	No	No
RUDJQJ	No	Yes	No	No	UPDGTf	No	Yes	No	No
RWHJZB	No	Yes	No	No	V2WQQ6	No Interp	No Interp	No Interp	No Interp
RZEXCK	No	Yes	No	No	V6LVP4	No	Yes	No	No
RZJL8Z	No	Yes	No	No	V7WUKD	No	Yes	No	No
T4G2ZZ	No	Yes	No	No	VB9GWQ	No	Yes	No	No
T739GV	No	Yes	No	No	VF76CC	No Interp	No Interp	No Interp	No
T8E6KE	No	Yes	No	No	VJ2X68	No	Yes	No	No
TA2PPJ	No	Yes	No	No	VQ37Q2	No	Yes	No	No
TBF9C2	No	Yes	No	No	VRDB4Q	No	Yes	No	No
TC97J9	No Interp	No Interp	No Interp	No Interp	VW9E3G	No	Yes	No	No
TK2RYZ	No	Yes	No	No	W2FTET	No	Yes	No	No
TLWXB8	No	Yes	No	No	W6H4FF	No	Yes	No	No
TUTVXA	No Interp	No Interp	No Interp	No	WE4ABY	No	Yes	No	No

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
X77JXA	No	Yes	No	No					
XD7D3F	No	Yes	No	No					
XEJDFX	No	Yes	No	No					
XJVF2T	No Interp	No Interp	No Interp	No Interp					
XWE497	No Interp	No Interp	No Interp	No					
Y6NRM4	No Interp	No Interp	No Interp	No					
YR683B	No	Yes	No	No					
YURQ8E	No	Yes	No	No					
YVMAAF	No	Yes	No	No					
Z68VWP	No	No	No	No					
Z6KMML	No	Yes	No	No					
Z8CQD8	No	Yes	No	No					
Z9KB8U	No	Yes	No	No					
ZBB2A8	No	Yes	No	No					
ZN2VL2	No	Yes	No	No					
ZQ6PHK	No	Yes	No	No					
ZTQBB9	No	Yes	No	No					
ZZAEHB	No	Yes	No	No					

DNA Interpretation				
Response Summary	Participants reporting DNA results: 226			
Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 & 4)?				
	Victim (Item 1)		Suspect (Item 2)	
	<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
Yes	0	199	0	1
No	201	1	201	211
Inc	0	0	0	0
No Interpretation	19	21	19	10
No Response	3	2	3	1

Participants analyzing DNA for database purposes only: 3

Additional Comments

TABLE 5

WebCode	Additional Comments
29JX2D	STRmix was performed on this test.
2B9UKK	STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GeneMapper ID-X. NR = no results.
2BPQ9D	Y-Screen Testing: item 3: negative. item 4: positive.
2C4CML	Extraction: Item 1 and Item 2 were extracted using chelex method. Item 3 and Item 4 were extracted using QIAAsymphony DNA Investigator Kit via QIAAsymphony SP platform. Quantification: Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Trio DNA Quantification Kit on RT-PCR QuantStudio 5 System. Amplification: Item 1, Item 2, 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 Y-STR kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis of GlobalFiler for Item 1, Item 2, Item 3, Item 4 and Y-Filer 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.
2GUYME	STRmix analysis was conducted on this test.
2XLYBT	Elevated stutter left in for Items 3 and 4 due to use of STRmix.
3V98TH	NR = No Results. Data reported was analyzed with GeneMapper ID-X. STRmix analysis was performed on this test.
4R7TLJ	Extraction: - Item 1 and Item 2 were extracted using chelex extraction method. - Item 3 and Item 4 (differential analysis) were extracted using DNA Investigator kit via QIAAsymphony SP automation platform. Quantification: - Item 1, Item 2, Item 3 and Item 4 were quantitated using Quantifiler Trio DNA Quantification kit on QuantStudio 5 Real-Time PCR System. Amplification: - Item 1, Item 2, Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification kit on GeneAmp PCR System 9700. - Item 2 and Item 4 were further amplified using AmpFLSTR Y-Filer PCR Amplification kit on GeneAmp PCR System 9700. Electrophoresis: - Item 1, Item 2, Item 3 and Item 4 were run on ABI 3500xL Genetic Analyzer for Globalfiler. - Item 2 and Item 4 were run on ABI 3500xL Genetic Analyzer for Y-STR. Quality Control: - Reagent blank, positive control and negative control were incorporated throughout the analysis and given satisfactory results. NM represent Non-male profile.
78VF6G	NR=No results. STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
7FNT2V	Screening results: Screening test not performed on Item 1: Known blood from female victim. Screening test not performed on Item 2: Known blood from male suspect. Screening test for the presence of male DNA using the Plexor HY real time PCR system was performed on Item 3: Questioned blood stain from suspect's shirt (pink). Male DNA was not detected on this item. Screening test for the presence of male DNA using the Plexor HY real time PCR system was performed on Item 4: Questioned blood and semen stain from victim's underwear (yellow). Male DNA was detected on this item. Spermatozoa were detected on a slide made from item 4 (sperm cell fraction).
98KZT6	Two differential extractions were performed on item 4, and the same results were obtained. In the epithelial fraction reported, the victim's allele 16 at D2S1338 was filtered as a stutter. The victim's alleles are fully represented in the rest of the evidence profile, and she was included as a contributor to the epithelial fraction of item 4.
9E4WPL	NR = No Result. Y-Screening (male DNA) results: - Item 3: Negative. - Item 4: Positive.
9RQ7A7	NR = no result. Y-Screen Analysis: - Item 3 = Negative. - Item 4 = Positive.

TABLE 5

WebCode	Additional Comments
A2DGZD	Extraction: Item 1 and Item 2 were extracted using chelex extraction method. Item 3 was extracted using QIAAsymphony DNA Investigator Kit (bloodstain extraction method). Item 4 was extracted using QIAAsymphony DNA Investigator Kit (differential extraction method). Quantification: Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Trio DNA Quantification kit on RT-PCR QuantStudio 5 System. Amplification: Item 1, Item 2, Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification kit on GeneAmp PCR System 9700. Y-STR amplification was carried out on Item 2 and Item 4 using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis of GlobalFiler were carried out on Genetic Analyzer 3500xL for Item 1, Item 2, Item 3 and Item 4. Electrophoresis of Y-Filer was carried out on Genetic Analyzer 3500xL for Item 1, Item 2, Item 3 and Item 4. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM - Non Male profile.
ABYK9C	NR=No Results. STRmix analysis was conducted on Item 4e. Data for all reported items was generated using GeneMapper ID-X.
ALZ9ZA	CTS allele tables uploaded digitally.
BYJP9J	Stutter peaks for Item 3 were not called off due to the use of STRmix.
C64DY3	Y-screen results: Item 3 - Human male DNA was not detected. Item 4- Human male DNA was detected. NR = NO RESULT.
C979LC	1. Extraction: Chelex extraction method was used to extract DNA from Item 1 to Item 4. 2. Quantification: DNA quantification for Item 1 to Item 4 was carried out using Quantifiler Human DNA Quantification Kit with Applied Biosystem Real Time Polymerase Chain Reaction 7500 System. 3. Amplification: Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out on Item 1 to Item 4 using Globalfiler PCR Amplification Kit on the ProFlex PCR System. Amplification of Y-STR (Short Tandem Repeat) Genetic Loci was carried out on Item 2 and Item 4 using the AmpFISTR Y-Filer PCR Amplification Kit on the ProFlex PCR System. 4. Electrophoresis: Electrophoresis was carried out using Applied Biosystem 3500xL Genetic Analyzer with GeneMapper ID-X Software for Item 1 to Item 4 (Globalfiler). Electrophoresis for Y-Filer was carried out using Applied Biosystem 3500xL Genetic Analyzer with GeneMapper ID-X Software for Item 2 and Item 4. 5. Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results. 6. 'NM' denotes non-male profile.
CD23JD	INC means inconclusive.
CVX64F	- No statistical evaluation was performed. - Profiles #1,2 and 3 are complete and individual. - Profile #4 is a mixture of at least 2 individuals. - In profile #4, are found, the victim's DNA profile and the DNA profile of at least one unknown person.
CWTBD2	Screening for the presence of male DNA (Y-Screen) was completed on items 3 and 4 using QFT. Item 3: No human male DNA was detected. Item 4: Human male DNA was detected.
D4BBGX	Not authorized to perform Y-STR/mtDNA testing and analysis.
D4BD73	STRmix analysis was conducted on this test.
DAU8BU	STRmix analysis was conducted on this test. Item 3 was extracted via differential separation, per laboratory protocol. No DNA was detected in the sperm fraction; the report will reflect the non-sperm fraction (epi fraction) only.
DH7KVB	Y-STR profiling was not conducted - I did not realise that this was required (if indeed it was) and, in my opinion, was not necessary in order to answer the questions asked.
DTN6B2	NR - No results. Item 1 not analyzed for Y-STRs. Items 3 & 4 processed with the Y-screen Assay (QF Trio): Human male DNA was not detected on item 3. Human male DNA was detected on item 4.
DWP93M	Screening for the presence of male DNA using Plexor HY Real-Time PCR System was performed on Item 3 (Questioned blood stain from suspect's shirt (pink)) and Item 4 (Questioned blood and semen stain from victim's underwear(yellow)). Male DNA was not detected on Item 3. Male DNA was detected on Item 4.

TABLE 5

WebCode	Additional Comments
EYMJGF	Item 4 was not tested as it does not meet the testing criteria for missing persons protocols. The Minifiler results were concordant with the Globalfiler results. The Argus X results for AMEL and D21S11 were concordant with Globalfiler.
EZNJXM	Spermatozoa were observed by microscopic examination of Item 4. Male DNA was not detected on item 3 using the Plexor HY System. Male DNA was detected on item 4 using the Plexor HY System.
GA3FRJ	Screening for the presence of male DNA using Plexor HY real time PCR was performed on Item 3: Questioned blood stain from suspect's shirt (pink) and Item 4: Questioned blood and semen stain from victim's underwear (yellow). Male DNA was not detected on Item 3. Male DNA was detected on Item 4. Spermatozoa were observed by microscopic examination on the differential slide of Item 4.
GDHMXB	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.
HBVRPW	NR = No Results. Y-Screen Assay Results: Item 3: Negative for human male DNA. Item 4: Positive for human male DNA.
HGZPD3	NR=no results, reported data analyzed using GeneMapper ID-X, STRmix analysis conducted on this test.
HRFJPV	y-screen results: Item 3: male DNA was not detected. Item 4: male DNA was detected.
HZRD7J	Sperm cells were detected on a slide prepared from item 2.4.1 sperm cell fraction. Screening for the presence of male DNA using the Plexor HY real time PCR system was performed on Item 3: Questioned blood stain from suspect's shirt (pink) and Item 4: Questioned blood and semen stain from victim's underwear (yellow). Male DNA was not detected on Item 3. Male DNA was detected on Item 4.
JEMEXB	The following are the results for the Y-Screen Analysis (Y-Screening (male DNA) QF Trio). Item 3 was Negative; no human male DNA was detected. Item 4 was positive; human male DNA was detected. Abbreviations: NR = No Results.
JKBEJA	PowerPlex Fusion 6C sample processing was conducted on items 1, 2, 3 and 4. Autosomal analysis and interpretation was not conducted on items 3 and 4. No comparisons were made between to references. NID= No Interpretable Data.
K87ZV6	Item 3 (Shirt bloodstain): Profile interpreted as a single-source sample. Multiple loci are inconsistent with both the victim and the suspect; therefore, both individuals are excluded as contributors. Item 4E1 (Epi) (Non-sperm fraction from questioned blood/semen stain on victim's underwear): The profile is a mixture with the victim detected as the major contributor. Additional alleles observed are not consistent with the suspect's genotype at several loci; therefore, the suspect is excluded. Item 4E2 (Sperm) (Sperm fraction from questioned blood/semen stain on victim's underwear): The profile is dominated by a non-reference contributor. Observed alleles at key loci (e.g., D21S11 = 31.2, 32.2) are not consistent with the suspect's genotype (30,30). Low-level alleles consistent with the victim are present. The suspect is excluded. Overall: Interpretation was performed in accordance with laboratory thresholds and procedures. Results are reported based on observed allele patterns and documented genotypes.
KL3HHH	Only YSTR analysis was performed and the female known reference sample was not processed.
KUXF87	Scientist is authorized through data analysis and does not compare/report DNA results.
KVAQTA	Stutter and drop-in are left in for STRmix analysis.
L9VU7E	NR- No DNA result, [] - lighter intensity allele.
LMF99E	NR denotes No DNA result.
LPGCZZ	- "NR" is defined as "No Results". - The data reported out in this test is from analysis using GeneMapper ID-X. - STRmix analysis was conducted on this test.

TABLE 5

WebCode	Additional Comments
LQCV33	Extraction: Item 1 and Item 2 were extracted using chelex differential extraction method. Item 3 was extracted using QIAAsymphony DNA Investigator Kit on QIAAsymphony SP System. Item 4 was extracted using QIAAsymphony DNA Investigator Kit on QIAAsymphony SP System (differential extraction method). Quantification: Item 1, Item 2, Item 3, and Item 4 extracts were quantified using Quantifiler Trio DNA Quantification kit on RT-PCR QuantStudio 5 System. Amplification: Item 1, Item 2, Item 3, and Item 4 extracts were PCR amplified using GlobalFiler PCR kit on 9700 GeneAmp PCR System. Item 2 and Item 4 extracts were PCR amplified using AmFISTR Y-File PCR kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis of GlobalFiler and Y-File amplicons were carried out on Genetic Analyzer 3500xL for Item 1, Item 2, Item 3 and Item 4. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM = Non-male genotype.
LYPL97	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.
MKJPRP	3 sperm fraction stopped at quantification due to no DNA.
MKK8HG	Only Y-STR testing was performed. The female known reference was not processed.
MPEJM7	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.
N6LVUP	Two differential extractions were performed on item 4. In the epithelial fraction reported from the second extraction, the victim's 16 allele at D2S1338 was filtered as stutter. The victim's alleles are fully represented in the rest of the evidence profile, and she was included as a contributor to the epithelial fraction of item 4.
NBUJ8Q	STRmix analysis was conducted on this test.
NGWVGP	Y-STR analysis was not performed on Item 3 because no male DNA was detected using Quantifiler Trio.
NL9DK6	STRmix was used for deconvolution only as it would be done for casework. No statistics were conducted. Submission 1C (Item 1) was used to condition on the following: Submission 1B (Item 4) fraction 1: 1CsU_1CsU; Submission 1B (Item 4) fraction 2: 1CsU_1CsU. NID = No Interpretable Data.
NPUMPJ	No male DNA was detected on sample Q1.3.1 at the quantitation step. Therefore, no further testing was performed.
NQ6PBH	STRmix analysis was conducted on this test.
NWELHD	Sperm cells were detected on a slide prepared from item #4 sperm cell fraction.
P4A6XD	Only Y-STR testing was performed. Item 1 (female known reference) was not processed. Item 3 stopped after quantitation due to no male quant value.
PBRGBE	Only Y-STR testing was performed and the female known reference was not processed.
PKV7W3	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.
PXZUZD	Analyst is authorized through DNA processing, does not analyze/report DNA results.
PZBU2D	Only Y-STR testing was performed. Item 1 and Item 3 were not processed for Y-STR analysis based on male quantitation results/threshold.

TABLE 5

WebCode	Additional Comments
QMD9B9	NR = no DNA result
QXDXUV	NR = No Results. The data reported is from analysis using GeneMapper ID-X. STRmix analysis was performed on this test.
R9EN9B	Only Y-STR testing was performed and the female known reference was not processed.
RCAEEM	Y-screen Results: Item 3 - Negative; Item 4 - Positive. NR = No results.
RJB7T4	Possible elevated stutter and possible drop in left in because of STRmix analysis.
RWHJZB	Despite following the validated differential extraction protocol, the epithelial fraction of ITEM 4 yielded a genetic profile mixed with male DNA, which corresponds to the male genetic profile obtained from the sperm fraction. This could be due to incomplete sperm lysis, the quality or cell proportion of each of the sperm contributors to the mixture, or the additional presence of epithelial cells from the male individual.
T4G2ZZ	ND= Not detected
T739GV	Elevated stutter was observed for genetic marker D19S433 on Item 2.
TC97J9	Scientist is authorized through DNA processing, but does not analyze/report DNA results.
TK2RYZ	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.
TUTVXA	Only Y-STR testing was performed. The female known reference was not processed.
TYH6AT	STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X. NR=No Results.
UKF2H8	Spermatozoa were observed by microscopic examination on the differential slide made from the sperm cell fraction of item 4 (victim underwear).
UKWCYR	NR: No Results. STRmix Analysis was conducted on this test. The data reported out in this test is from analysis using GeneMapper ID-X.
V2WQQ6	Analyst performs data analysis using GeneMapper but does not perform data interpretation or reporting.
VB9GWQ	NR = No Results. STRmix analysis was completed on this test. The data reported out in this test is from analysis using GeneMapper ID-X.
VF76CC	Item 3 was stopped at quantitation due to no male quant.
VRDB4Q	NR = No Result. STRmix analysis conducted on this test. Reported data analyzed with GeneMapper ID-X.
XJVF2T	Analyst stops after GeneMapper and does not perform any data interpretation.
XWE497	Only Y-STR testing was performed. The female known reference sample (Item 1) was not processed.
Y6NRM4	Only Y-STR testing was performed. Female known reference was not processed. Item 3 did not yield a quantity of male DNA above the minimum amplification threshold and was not further processed.
YVMAAF	NR = no result. Y-Screen Assay performed on items 3 and 4 with a negative result for item 3 and a positive result for item 4.
Z68VWP	1- The genetic profile for the questioned blood of item 3 doesn't matches the victim. 2- The result of the differential extraction of item 4 is: a - The blood doesn't match the victim or the suspect. b - The sperm doesn't match the suspect.
Z6KMML	-"NR" is defined as "No Results". -The data reported out in this test is from analysis using GeneMapper ID-X. -STRmix analysis was conducted on this test.

TABLE 5

WebCode	Additional Comments
Z9KB8U	Item 3 - n+4 stutter at D18S51 and D22S1045. Item 4A (sperm cell fraction) - one minor peak at D3S1358.
ZBB2A8	Suspect is eliminated as a contributor to the DNA mixture profile detected in the nonsperm (F1) fraction of the victim's underpants stain.
ZN2VL2	Spermatozoa were observed on a microscope slide prepared from sample 1.4 (sperm cell fraction). Screening for the presence of male DNA using the Plexor HY Real-Time PCR System was performed on Item 3: Questioned blood stain from suspect's shirt (pink) and Item 4: Questioned blood and semen stain from victim's underwear (yellow). Male DNA was not detected on Item 3: Questioned blood stain from suspect's shirt (pink). Male DNA was detected on Item 4: Questioned blood stain from victim's underwear (yellow).

-End of Report-
(Appendix may follow)

Test No. 25-5804: DNA-Semen

DATA MUST BE SUBMITTED BY **Sept. 08, 2025, 11:59 p.m. EDT** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: 2UYF7N

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

Scenario:

Police are investigating a sexual assault involving a female victim and male suspect. The victim reported to police that she was walking with a friend when the suspect attacked them. The suspect hit both females and forced the victim to have vaginal sex. The suspect has been apprehended by police. Police are submitting to your laboratory a stain from the shirt the suspect was wearing at the time of arrest (Item 3) and a stain from the underwear the victim was wearing at the time of the assault (Item 4). Screening tests have been performed on both samples with the following results: Item 3 (suspect's shirt) is positive for blood, and Item 4 (victim's underwear) is positive for blood and semen. Also collected were known blood samples from the female victim (Item 1) and the male suspect (Item 2). A known blood sample from the victim's friend has not been collected at this time.

Items Submitted (Sample Pack S4):

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 and semen stain from victim's underwear (yellow)

Part I: DNA Results for Known Item 1

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

STR Amplification Kit(s) Used:

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

☐ Identifiler® ☐ GlobalFiler™ ☐ Investigator® 24plex

☐ PowerPlex® Other

Report the Probabilistic Genotyping Software Used (if applicable):

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

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

Part I (continued): DNA Analysis - Additional DNA

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

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

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

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

Part II: DNA INTERPRETATION

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

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

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

Part III: ADDITIONAL COMMENTS

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

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

RELEASE OF DATA TO ACCREDITATION BODIES

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

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

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

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

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

ANAB Certificate No.

A2LA Certificate No.

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

Authorized Contact Person and Title

Laboratory Name

Location (City/State)