Collaborative Testing Services, Inc

FORENSIC TESTING PROGRAM

DNA-Blood Test No. 21-5805
Summary Report

Each participant received a sample pack consisting of two known bloodstains and two questioned stains which they were requested to analyze using their existing protocols. Data were returned from 220 participants and are compiled into the following tables:

Manufacturer's Information

Each sample pack consisted of two known bloodstains on FTA Micro cards (Items 1 & 2), and two questioned stains; one on clean pink fabric (Item 3) and one on clean, off-white fabric (Item 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains in Items 1, 2, 3 and 4 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. Items 1 (75 μl) and 3 (50 μl) were created using blood collected from the same female donor. Item 2 (75 μl) was created using blood from a male donor. Item 4 (50 μl) was created using blood from a male donor, but one different than that of Item 2. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on September 07, 2021 following completion of the verification stage.

SAMPLE SET ASSEMBLY: For each sample set, all four Items (1-4) were packed into separate envelopes and then placed together in a pre-labeled sample pack envelope. The sealed sample pack envelopes were then packaged in pre-labeled heat seal envelopes and sealed. This process was repeated until all of the sample sets were prepared.

VERIFICATION: All predistribution laboratories confirmed the manufacturer's expected associations. Consistent allelic results were reported for all STR and YSTR loci.

Manufacturer's Information, continued

Amelogenin and STR Results

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

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	
1	13,14	21,21	11,14	16,18	10,12	*
	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17	NM	NM	NM	NM	
2	12,12	17,19	14,14	17,17	11,12	11,14
	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17	14,28.2	6,7	8,8
	17,18	10	18	20	2	
3	13,14	21,21	11,14	16,18	10,12	*
	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17	NM	NM	NM	NM	
4	16.3,17.3	21,22	11,11	16,17	11,12	*
	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19	2	

YSTR Results

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

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
2	36,36	14	17,18	12	29	24	10	11	14
	14	10	10	20	35	15	16	11	23
	38	12	13	18	20	21	21	12	12
4	35,36	14	14,15	12	29	24	12	13	14
	15	12	12	20	29	16	17	11	23
	38	12	12	20	19	21	23	11	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

The 21-5805 DNA-Blood test is part of the DNA Sample Specific Series, where participants are advised of the body fluid(s) that made up the questioned stains. The test is designed to allow participants to assess their proficiency in the analysis of dried stains. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Items 1 and 3 were created using blood collected from the same female donor. Item 2 was created using blood from a male donor. Item 4 was created using blood from a male donor, but one different than that of Item 2. (See Manufacturer's Information for preparation details)

Of the 220 participants that returned results, 185 reported DNA interpretations. Four participants did not respond, 30 stated that the samples were analyzed for database purposes only, and one selected the "No Interpretations" option individually for all Interpretation questions.

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

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

A total of 40 participants reported the use of Probabilistic Genotyping (PG) software on either solely the questioned items or all four items.

Eight participants reported allelic results using the "FlexPlex27" amplification kit. All of these participants were missing alleles at multiple loci. Based on the interpretation summary above, these inconsistencies did not appear to affect these participants' conclusions.

STR Amplification Kit(s) & Results

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

244CBV — Investigator® 24plex (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	No Results				

26FB66 — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

2JH8EB — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

2LMXJ7 — PowerPlex® Fusion (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	NR				

2T96DQ — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

2T9ZZ4 — GlobalFiler™ Express Kit (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
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

2UFHYY	PowerPlex® Fusion 6C					
	13,14	21,21	11,14	16,18	10,12	Not Tested
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17	No results	No results	No results	Not Tested	

2WRNN2	FlexPlex 27					
	13,14	21	11,14	16,18	10,12	17,21
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24		9,11	17,26.2	7,9	11
	16,17					

33NYW4	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

33Q2XP	Identifiler® Plus, MiniFiler					
		21		16,18	10,12	
1	8,10	13,16			11	11
	13,16	13,16	28,30		X	10,12
	21,24				7,9	11
	16,17					

34MKVJ	PowerPlex® Fusion 6C					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					

3B6FQY	PowerPlex® Fusion 6C					
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17	NR	NR	NR		

3BH8FA	GlobalFiler™ Express					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

3CA6P2 — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

3MFFAT — Investigator® 24plex (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	No Results				

3NA4TN — Investigator® 24plex GO! (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	N/A
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	N/A	N/A	17,26.2	7,9	11,11
16,17	N/A	N/A	N/A	N/A	

3R6MJ7 — PowerPlex® Fusion (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	NR				

3WHZAZ — Investigator® 24plex (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	No Results				

3XCNTV — PowerPlex® Fusion 5C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	No Results				

42AUX7 — PowerPlex® Fusion (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	no data				

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

482694 PowerPlex® Fusion

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11		7,9	11,11
	16,17	ND				

4GPXHF GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

4LZJHT PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11		7,9	11,11
	16,17	No Results				

4N49LM Investigator® 24plex GO

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,14	21,21	11,14	16,18	10,12	N/A
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	N/A	N/A	17,26.2	7,9	11,11
	16,17	N/A	N/A	N/A	N/A	

4QDN68 GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

4UDZZ8 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

4YKZ7Q Investigator® 24plex

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	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

68VJ6F PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					

6BTVPZ Identifiler® Plus

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		21,21		16,18	10,12	
1	8,10	13,16			11,11	11,11
	13,16	13,16	28,30		X,X	10,12
	21,24				7,9	11,11
	16,17					

6NYEE2 GlobalFiler™ casework

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					

6Q8WPW PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17	NR	NR	NR		

6XAFZ2 GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					

72HT4Y Identifiler® Plus

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		21,21		16,18	10,12	
1	8,10	13,16			11,11	11,11
	13,16	13,16	28,30		X,X	10,12
	21,24				7,9	11,11
	16,17					

7BQTTM GlobalFiler™ Express

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11
	16,17	NM			NM	

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

7GEDXN	GlobalFiler™ Express					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11
	16,17	NM			NM	
7GWLMH	PowerPlex® Fusion 6C					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17	NR	NR	NR		
7Q22JV	PowerPlex® Fusion 6C					
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17	NR	NR	NR		
7Q7TMR	Investigator® 24plex					
	13,14	21,21	11,14	16,18	10,12	Not Tested
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	Not Tested	Not Tested	17,26.2	7,9	11,11
	16,17	No Results	Not Tested	Not Tested	Not Tested	
86KGAV	PowerPlex® Fusion 5C					
	13,14	21,21	11,14	16,18	10,12	Not Tested
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	Not Tested	7,9	11,11
	16,17	No Results	Not Tested	Not Tested	Not Tested	
87UVPU	PowerPlex® Fusion 6C					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					
8B7EXH	PowerPlex® Fusion					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11		7,9	11
	16,17	NR				

TABLE 1

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

Item 1 - STR Results

WebCode / Item						
8EJEVA	GlobalFiler™					
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24				17,26.2	7,9	11,11
	16,17					
8L7RM3	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
8REVYV	FlexPlex27					
	13,14	21	11,14	16,18	10,12	17,21
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24		9,11	17,26.2	7,9	11
	16,17					
8W9TM2	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17	no data			no data	
8ZNHL6	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
99UP26	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
9A9HTL	GlobalFiler™ Express					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11
	16,17	NM			NM	

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

9AP837 — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

9KP9QQ — PowerPlex® Fusion 5C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	No Results				

9T7CPX — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

9TJDKR — PowerPlex® Fusion 5, MiniFiler — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	No Results				

9TLTJQ — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17	NR	NR	NR		

9ZXG8K — GlobalFiler™ Express — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11
16,17	NM			NM	

A2UP23 — GlobalFiler™ Express — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

A9QT3D   PowerPlex® Fusion

	D1S1656 etc.					
1	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11		7,9	11
	16,17					

AFR6XB   PowerPlex® Fusion 6C

1	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					

AHV2HD   GlobalFiler™

1	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17	NR			NR	

AJPPZA   GlobalFiler™ Express

1	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

AJRJJE   PowerPlex® Fusion 6C

1	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					

ANLDKM   PowerPlex® Fusion 5C

1	13,14	21,21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11		7,9	11,11
	16,17					

AU823Q   PowerPlex® Fusion 6C

1	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	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

AU944B — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

B8T3A4 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24				17,26.2	7,9	11,11
16,17	-			-	

BFMBRA — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

BHQ4NU — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24				17,26.2	7,9	11,11
16,17					

BJPEXW — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24				17,26.2	7,9	11
16,17					

BMNQTW — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24				17,26.2	7,9	11
16,17					

BTTW4T — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24				17,26.2	7,9	11,11
16,17	NR			NR	

TABLE 1

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

Item 1 - STR Results

C89J4X — PowerPlex® Fusion 6C — Item 1

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

CP66LH — Investigator® 24plex — Item 1

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

CQLTV3 — GlobalFiler™ — Item 1

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

CTRQD6 — GlobalFiler™ — Item 1

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

CWQ3A6 — GlobalFiler™ — Item 1

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

DENMN6 — GlobalFiler™ Express — Item 1

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

DKA6XR — GlobalFiler™ — Item 1

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

DW8DPP — GlobalFiler™ Express (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	No Results			No Results	

DYBCZH — PowerPlex® Fusion 5C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	No Results				

DZ4ZJD — Investigator® 24plex GO! (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	N/A
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	N/A	N/A	17,26.2	7,9	11,11
16,17	N/A	N/A	N/A	N/A	

EJTBQP — Identifiler® Plus (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	21,21		16,18	10,12	
8,10	13,16			11,11	11,11
13,16	13,16	28,30		X,X	10,12
21,24				7,9	11,11
16,17					

EJWPPQ — GlobalFiler™ IQC (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	-			-	

EUCGDZ — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

EUWXVN — PowerPlex® Fusion 5C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	No Results				

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)				
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

EW69NL — PowerPlex® Fusion 5C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	No Results				

EWZDVK — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17	NR	NR	NR		

F9BN7B — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17					

FAJVBN — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

FBXRPM — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

FJRVWP — PowerPlex® Fusion — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	ND				

FLCEM9 — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

TABLE 1

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

FLV39A — PowerPlex® Fusion — 1

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11		7,9	11
16,17	NR				

GBGTCP — GlobalFiler™ — 1

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

GN3BZL — PowerPlex® 21 — 1

13,14	21,21		16,18	10,12	17,21
8,10	13,16		16,20	11,11	11,11
13,16	13,16	28,30		X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17					

GNJUVZ — PowerPlex® Fusion 5C — 1

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11		7,9	11
16,17					

GQ392L — Investigator® 24plex — 1

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	No Results				

GTU8DY — GlobalFiler™ Express — 1

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	N/A	N/A	17,26.2	7,9	11
16,17	N/A	N/A	N/A	N/A	

H3WKCD — Investigator® 24plex — 1

13,14	21,21	11,14	16,18	10,12	Not Tested
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	Not Tested	Not Tested	17,26.2	7,9	11,11
16,17	No Results	Not Tested	Not Tested	Not Tested	

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

H7VT8T — GlobalFiler™ Express — Item 1

D1S1656/D7S820/D18S51/FGA/vWA	D2S1338/D8S1179/D19S433/Penta D/DYS391	D2S441/D10S1248/D21S11/Penta E/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/Y Indel	D6S1043/D16S539/CSF1PO/TPOX
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

HH9QDH — PowerPlex® Fusion 6C — Item 1

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17	NR	NR	NR		

HHR7FK — PowerPlex® Fusion 5C — Item 1

13,14	21,21	11,14	16,18	10,12	Not Tested
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	Not Tested	7,9	11,11
16,17	No Results	Not Tested	Not Tested	Not Tested	

HJJ6RX — GlobalFiler™ Express — Item 1

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

HPRUKK — FlexPlex 27 — Item 1

13,14	21,21	11,14	16,18	10,12	17,21
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24		9,11	17,26.2	7,9	11,11
16,17					

HQMAKH — PowerPlex® Fusion 6C, GlobalFiler™ Express — Item 1

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17	No Results	No Results	No Results	No Results	

HRBHRX — GlobalFiler™ Express — Item 1

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

HULKFH — GlobalFiler™

13,14	21,21	11,14	16,18	10,12	Not Tested
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	Not Tested	Not Tested	17,26.2	7,9	11,11
16,17	No Results	Not Tested	Not Tested	No Results	

HXK8KK — PowerPlex® Fusion 6c

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17	NR	NR	NR		

J9YF9J — GlobalFiler™ Express

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	No Results			No Results	

JAR4RE — Investigator® 24plex

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	No Results				

JXG2GV — GlobalFiler™

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

K6XYMU — GlobalFiler™

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

KFW6M3 — PowerPlex® Fusion 6C

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	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

KL34W7 — PowerPlex® Fusion

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11		7,9	11
16,17	NR				

Item: 1

KRM2PZ — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

Item: 1

KTHKQ2 — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

Item: 1

KXWPDF — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

Item: 1

L2T4M7 — PowerPlex® Fusion

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11		7,9	11
16,17	NR				

Item: 1

L9QQJC — Investigator® 24plex GO!

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	N/A
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	N/A	N/A	17,26.2	7,9	11,11
16,17	N/A	N/A	N/A	N/A	

Item: 1

LDZB33 — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

Item: 1

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

LG4ATF — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17	NR	NR	NR		

LHFG4J — NGM SElect

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18		
	13,16	12,13	16,20		11,11
13,16	13,16	28,30	12,18	X,X	
21,24			17,26.2	7,9	
16,17					

LMC7MC — Investigator® 24plex

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	No Results				

LWYWTG — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

M8TZQ3 — Identifiler® Direct

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	21		16,18	10,12	
8,10	13,16			11	11
13,16	13,16	28,30		X,X	10,12
21,24				7,9	11
16,17					

MHALXH — PowerPlex® Fusion

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17					

MM6K88 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	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

MVHY2G — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					

N3HBNK — PowerPlex® 16 HS

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1				16,18	10,12	
	8,10	13,16			11,11	11,11
	13,16		28,30		X,Y	10,12
	21,24	8,12	9,11		7,9	11,11
	16,17					

NE7D4R — GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

NGJDEL — PowerPlex® Fusion

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	13,14	21,21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11		7,9	11,11
	16,17	NR				

NRDNNE — FlexPlex 27

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	13,14	21	11,14	16,18	10,12	17,21
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24		9,11	17,26.2	7,9	11
	16,17					

NTTBXF — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

NWM8KL — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	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

P3BGJ6 Investigator® 24plex

13,14	21,21	11,14	16,18	10,12	Not Tested
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	Not Tested	Not Tested	17,26.2	7,9	11,11
16,17	No Results	Not Tested	Not Tested	Not Tested	

PAVG24 PowerPlex® Fusion 6C

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17	NR	NR	NR		

PBN66C GlobalFiler™

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

PJXYC7 PowerPlex® Fusion

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	No Results				

PMXB97 Investigator® 24plex

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	No Results				

PYUNFB GlobalFiler™

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

Q4NDPA GlobalFiler™

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
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

Q7PJ2U	PowerPlex® Fusion 6C					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					
QBHBXB	GlobalFiler™					
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					
QJXP6M	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
QLH7A9	Investigator® 24plex					
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17	No Results				
QVANQ2	PowerPlex® Fusion					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11		7,9	11
	16,17	NR				
QW4EUV	PowerPlex® Fusion 6C					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					
R3L6UV	PowerPlex® Fusion					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11		7,9	11
	16,17					

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

R4GMVW — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

RA3JW2 — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17	-			-	

RDMZ36 — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

REXCU3 — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17					

RGN26M — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

RLG4B9 — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17	NR	NR	NR		

RLJTDK — GlobalFiler™ Express — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	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

RN4C6P PowerPlex® ESX 17 Fast system

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	13,14	21,21	11,14	16,18		
		13,16	12,13	16,20		11,11
	13,16	13,16	28,30	12,18	X,X	
	21,24			17,26.2	7,9	
	16,17					

RTD3J9 PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					

T2NANX GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11
	16,17					

T33HWY PowerPlex® Fusion

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11		7,9	11
	16,17	NR				

T73UTY PowerPlex® Fusion

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11		7,9	11
	16,17	NR				

TCLHHF PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	13,14	21,21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17	NR	NR	NR		

TNFY8G PowerPlex® Fusion

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	13,14	21,21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11		7,9	11,11
	16,17	NR				

TABLE 1

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

Item 1 - STR Results

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
TRYNFE	GlobalFiler™ Express					
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					
TTB39U	PowerPlex® Fusion					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11		7,9	11
	16,17					
TUL6UT	PowerPlex® Fusion 6C					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					
TXACHW	GlobalFiler™					
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					
TYGW6B	Identifiler®, PowerPlex® CS7, Verifiler Express, Investigator HDplex, SureID 23comp					
	13,14	21,21	11,14	16,18	10,12	17,21
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17					
TYZ8R4	GlobalFiler™					
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					
U9L4JB	GlobalFiler™					
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

UBRGRH — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

UDZBUA — Identifiler® Plus (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	21,21		16,18	10,12	
8,10	13,16			11,11	11,11
13,16	13,16	28,30		X,X	10,12
21,24				7,9	11,11
16,17					

UGWVW8 — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

UJZFCZ — Investigator® 24plex QS (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

UK2L69 — FlexPlex 27 (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	17,21
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

ULB39T — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

UNUEQV — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
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

UX6JXU	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
UYY8FP	GlobalFiler™ Express					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
V4MAWU	PowerPlex® Fusion					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11		7,9	11
	16,17	NR				
V9YK69	FlexPlex27					
	13,14	21	11,14	16,18	10,12	17,21
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24		9,11	17,26.2	7,9	11
	16,17					
VAAU82	Investigator® 24plex					
	13,14	21,21	11,14	16,18	10,12	N/A
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	N/A	N/A	17,26.2	7,9	11,11
	16,17	No Results	N/A	N/A	N/A	
VBPDQY	PowerPlex® Fusion 6C					
	13,14	21,21	11,14	16,18	10,12	Not Tested
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17	No Results	No Results	No Results	Not Tested	
VMH3KD	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

TABLE 1

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

VQXXDA	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
VRTQMV	PowerPlex® Fusion 6C					
	13,14	21,21	11,14	16,18	10,12	-
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17	-	-	-	-	
W3RGRF	GlobalFiler™ Express					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
WA7UJ7	Investigator® 24plex					
	13,14	21,21	11,14	16,18	10,12	Not Tested
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	Not Tested	Not Tested	17,26.2	7,9	11,11
	16,17	No Results	Not Tested	Not Tested	Not Tested	
WBZHXV	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
WEJUGX	Investigator® 24plex					
	13,14	21,21	11,14	16,18	10,12	Not Tested
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	Not Tested	Not Tested	17,26.2	7,9	11,11
	16,17	No Results	Not Tested	Not Tested	Not Tested	
WFDHYT	Investigator® 24plex GO					
	13,14	21,21	11,14	16,18	10,12	N/A
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	N/A	N/A	17,26.2	7,9	11,11
	16,17	N/A	N/A	N/A	N/A	

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

WebCode / Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
WGPZER PowerPlex® Fusion 6C						
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					
WMUXMW PowerPlex® Fusion 5C						
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11		7,9	11,11
	16,17					
X2TRK4 GlobalFiler™						
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					
X36YWR PowerPlex® Fusion 6C						
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17					
X3JLBZ PowerPlex® Fusion 5C						
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11		7,9	11,11
	16,17	No Results				
X3ZHYU PowerPlex® Fusion						
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11		7,9	11
	16,17	NR				
X4HY98 GlobalFiler™						
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

TABLE 1

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

X68ZYB — GlobalFiler™ Express (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

XKK7CV — PowerPlex® Fusion (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,14	8,12	9,11		7,9	11
16,17	NR				

XMN4GV — GlobalFiler™ (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	NR			NR	

XZZAUJ — GlobalFiler™ (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	--			--	

Y626QN — GlobalFiler™ (STRmix) (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

Y8VTAJ — GlobalFiler™ Express (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	N/A	N/A	17,26.2	7,9	11
16,17	N/A	N/A	N/A	N/A	

YALVGT — GlobalFiler™ (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	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

YC7CLC	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
YDKBPG	GlobalFiler™					
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17	--			--	
YK3GN9	GlobalFiler™					
	13,14	21,21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					
YLCQEK	GlobalFiler™ Express					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
YNYTBD	GlobalFiler™ Express					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
YTUWBR	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
YV2CKH	GlobalFiler™ Express					
	13,14	21	11,14	16,18	10,12	
1	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	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

YX8XA4 — PowerPlex® Fusion 5C (Item 1)

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	No Results				

Z63P93 — FlexPlex 27 (Item 1)

13,14	21,21	11,14	16,18	10,12	17,21
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24		9,11	17,26.2	7,9	11,11
16,17					

Z8PX4J — GlobalFiler™ Express (Item 1)

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

Z96XPT — Identifiler® Direct (Item 1)

	21		16,18	10,12	
8,10	13,16			11	11
13,16	13,16	28,30		X,X	10,12
21,24				7,9	11
16,17					

ZJN3KC — GlobalFiler™ (Item 1)

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

TABLE 1

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

244CBV — Investigator® 24plex (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
17,18	10				

26FB66 — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
17,18	10			2	

2JH8EB — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
17,18	10			2	

2LMXJ7 — PowerPlex® Fusion (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17		6,7	8,8
17,18	10				

2T96DQ — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
17,18	10			2	

2T9ZZ4 — PowerPlex® Fusion 5C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17		6,7	8,8
17,18	10				

2UFHYY — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	Not Tested
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17	14,28.2	6,7	8,8
17,18	10	18	20	Not Tested	

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

2WRNN2 Item 2 — FlexPlex 27		17,19			11,12	11,14
		13,14	14,17			12,13
			29,30	15,17	X,Y	10,11
	19,26		7,17		6,7	
	17,18	10	18	20		
33NYW4 Item 2 — GlobalFiler™	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	
33Q2XP Item 2 — Identifiler® Plus, MiniFiler		17,19		17	11,12	
	10	13,14			9,10	12,13
	12	13	29,30		X,Y	10,11
	19,26				6,7	8
	17,18					
34MKVJ Item 2 — PowerPlex® Fusion 6C	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		
3B6FQY Item 2 — PowerPlex® Fusion 6C	12,12	17,19	14,14	17,17	11,12	
	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17	14,28.2	6,7	8,8
	17,18	10	18	20		
3BH8FA Item 2 — GlobalFiler™ Express	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	
3CA6P2 Item 2 — PowerPlex® Fusion 6C	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		

TABLE 1

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

Item 2 - STR Results

3MFFAT — Investigator® 24plex — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
17,18	10				

3NA4TN — FLEXPLEX27 — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
INC	17,19	INC	INC	INC	11,14
INC	INC	14,17	17,18	9,10	12,13
INC	INC	29,30	15,17	X,Y	10,11
INC	N/A	7,17	14,28.2	6,7	INC
17,18	10	18	20	N/A	

3R6MJ7 — PowerPlex® Fusion — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17		6,7	8,8
17,18	10				

3WHZAZ — PowerPlex® Fusion — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17		6,7	8,8
17,18	10				

3XCNTV — PowerPlex® Fusion 5C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17		6,7	8,8
17,18	10				

42AUX7 — PowerPlex® Fusion — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17		6,7	8,8
17,18	10				

482694 — PowerPlex® Fusion — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17		6,7	8,8
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

4GPXHF — GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	

4LZJHT — PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,12	17,19	14,14	17,17	11,12	
	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17		6,7	8,8
	17,18	10				

4N49LM — Investigator® 24plex QS

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,12	17,19	14,14	17,17	11,12	N/A
	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	N/A	N/A	14,28.2	6,7	8,8
	17,18	10	N/A	N/A	N/A	

4QDN68 — GlobalFiler™ (STRMix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	

4UDZZ8 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	

4YKZ7Q — Investigator® 24plex

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,12	17,19	14,14	17,17	11,12	
	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8,8
	17,18	10				

68VJ6F — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

6BTVPZ — Identifiler® Plus (Item 2)

D1S1656/...	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,19		17,17	11,12	
10,10	13,14			9,10	12,13
12,12	13,13	29,30		X,Y	10,11
19,26				6,7	8,8
17,18					

6NYEE2 — GlobalFiler™ casework (Item 2)

D1S1656/...	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
17,18	10			2	

6Q8WPW — PowerPlex® Fusion 6C (Item 2)

D1S1656/...	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17	14,28.2	6,7	8,8
17,18	10	18	20		

6XAFZ2 — GlobalFiler™ (Item 2)

D1S1656/...	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
17,18	10			2	

72HT4Y — Identifiler® Plus (Item 2)

D1S1656/...	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,19		17,17	11,12	
10,10	13,14			9,10	12,13
12,12	13,13	29,30		X,Y	10,11
19,26				6,7	8,8
17,18					

7BQTTM — GlobalFiler™ Express (Item 2)

D1S1656/...	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
17,18	10			2	

7GEDXN — GlobalFiler™ Express (Item 2)

D1S1656/...	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
17,18	10			2	

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

7GWLMH — GlobalFiler™ (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
17,18	10			2	

7Q22JV — PowerPlex® Fusion 6C (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17	14,28.2	6,7	8,8
17,18	10	18	20		

7Q7TMR — Investigator® 24plex (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,12	17,19	14,14	17,17	11,12	Not Tested
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	Not Tested	Not Tested	14,28.2	6,7	8,8
17,18	10	Not Tested	Not Tested	Not Tested	

86KGAV — PowerPlex® Fusion 5C (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,12	17,19	14,14	17,17	11,12	Not Tested
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17	Not Tested	6,7	8,8
17,18	10	Not Tested	Not Tested	Not Tested	

87UVPU — PowerPlex® Fusion 6C (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26	9	7,17	14,28.2	6,7	8
17,18	10	18	20		

8B7EXH — PowerPlex® Fusion (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26	9	7,17		6,7	8
17,18	10				

8EJEVA — GlobalFiler™ (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
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

8L7RM3   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	

8REVYV   FlexPlex27

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12	17,19	14	17	11,12	11,14
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26		7,17	14	6,7	8
	17,18	10	18	20		

8W9TM2   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	

8ZNHL6   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	

99UP26   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	

9A9HTL   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	

9AP837   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

WebCode / Item						
9KP9QQ	PowerPlex® Fusion 5C					
2	12,12	17,19	14,14	17,17	11,12	
	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17		6,7	8,8
	17,18	10				
9T7CPX	GlobalFiler™					
2	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	
9TJDKR	PowerPlex® Fusion 5					
2	12,12	17,19	14,14	17,17	11,12	
	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17		6,7	8,8
	17,18	10				
9TLTJQ	PowerPlex® Fusion 6C					
2	12,12	17,19	14,14	17,17	11,12	
	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17	14,28.2	6,7	8,8
	17,18	10	18	20		
9ZXG8K	GlobalFiler™ Express					
2	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	
A2UP23	GlobalFiler™ Express					
2	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	
A9QT3D	PowerPlex® Fusion					
2	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17		6,7	8
	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

WebCode						
AFR6XB	PowerPlex® Fusion 6C					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		
AHV2HD	GlobalFiler™					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	
AJPPZA	GlobalFiler™ Express					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	
AJRJJE	PowerPlex® Fusion 6C					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		
ANLDKM	PowerPlex® Fusion 5C					
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17		6,7	8,8
	17,18	10				
AU823Q	PowerPlex® Fusion 6C					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		
AU944B	PowerPlex® Fusion 6C					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		

TABLE 1

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

Item 2 - STR Results

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

B8T3A4 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,12	17,19	14,14	17,17	11,12	
	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8,8
	17,18	10			2	

BFMBRA PowerPlex® Fusion 6C

2	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		

BHQ4NU GlobalFiler™

2	12,12	17,19	14,14	17,17	11,12	
	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8,8
	17,18	10			2	

BJPEXW GlobalFiler™

2	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	

BMNQTW GlobalFiler™

2	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	

BTTW4T GlobalFiler™

2	12,12	17,19	14,14	17,17	11,12	
	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8,8
	17,18	10			2	

C89J4X PowerPlex® Fusion 6C

2	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		

TABLE 1

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

Item 2 - STR Results

CP66LH — Investigator® 24plex — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
17,18	10				

CQLTV3 — GlobalFiler™ — Item 2

12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
17,18	10			2	

CTRQD6 — GlobalFiler™ — Item 2

12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
17,18	10			2	

CWQ3A6 — GlobalFiler™ — Item 2

12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
17,18	10			2	

DENMN6 — GlobalFiler™ Express — Item 2

12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
17,18	10			2	

DKA6XR — GlobalFiler™ — Item 2

12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
17,18	10			2	

DW8DPP — Investigator® 24plex — Item 2

12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
17,18	10				

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

DYBCZH — Investigator® 24plex — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
17,18	10				

DZ4ZJD — Investigator® 24plex QS — Item 2

12,12	17,19	14,14	17,17	11,12	N/A
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	N/A	N/A	14,28.2	6,7	8,8
17,18	10	N/A	N/A	N/A	

EJTBQP — Identifiler® Plus — Item 2

	17,19		17,17	11,12	
10,10	13,14			9,10	12,13
12,12	13,13	29,30		X,Y	10,11
19,26				6,7	8,8
17,18					

EJWPPQ — GlobalFiler™ IQC — Item 2

12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
17,18	10			2	

EUCGDZ — GlobalFiler™ — Item 2

12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
17,18	10			2	

EUWXVN — PowerPlex® Fusion 5C — Item 2

12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17		6,7	8,8
17,18	10				

EW69NL — Investigator® 24plex — Item 2

12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
17,18	10				

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

EWZDVK	PowerPlex® Fusion 6C					
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17	14,28.2	6,7	8,8
	17,18	10	18	20		
F9BN7B	PowerPlex® Fusion 6C					
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17	14,28.2	6,7	8,8
	17,18	10	18	20		
FAJVBN	PowerPlex® Fusion 6C					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		
FBXRPM	GlobalFiler™					
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8,8
	17,18	10			2	
FJRVWP	PowerPlex® Fusion					
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17		6,7	8,8
	17,18	10				
FLCEM9	PowerPlex® Fusion 6C					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		
FLV39A	PowerPlex® Fusion					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17		6,7	8
	17,18	10				

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

GBGTCP — GlobalFiler™ — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
17,18	10			2	

GN3BZL — PowerPlex® 21 — Item 2

12,12	17,19		17,17	11,12	11,14
10,10	13,14		17,18	9,10	12,13
12,12	13,13	29,30		X,Y	10,11
19,26	9,9	7,17		6,7	8,8
17,18					

GNJUVZ — PowerPlex® Fusion 5C — Item 2

12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26	9	7,17		6,7	8
17,18	10				

GQ392L — Investigator® 24plex — Item 2

12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
17,18	10				

GTU8DY — GlobalFiler™ Express — Item 2

12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26	N/A	N/A	14,28.2	6,7	8
17,18	10	N/A	N/A	2	

H3WKCD — Investigator® 24plex — Item 2

12,12	17,19	14,14	17,17	11,12	Not Tested
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	Not Tested	Not Tested	14,28.2	6,7	8,8
17,18	10	Not Tested	Not Tested	Not Tested	

H7VT8T — GlobalFiler™ Express — Item 2

12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
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

HH9QDH	PowerPlex® Fusion 6C					
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17	14,28.2	6,7	8,8
	17,18	10	18	20		
HHR7FK	PowerPlex® Fusion 5C					
	12,12	17,19	14,14	17,17	11,12	Not Tested
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17	Not Tested	6,7	8,8
	17,18	10	Not Tested	Not Tested	Not Tested	
HJJ6RX	GlobalFiler™ Express					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	
HPRUKK	FlexPlex 27					
		17,19			11,12	11,14
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
			7,17		6,7	
	17,18	10	18	20		
HQMAKH	PowerPlex® Fusion 6C					
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17	14,28.2	6,7	8,8
	17,18	10	18	20		
HRBHRX	GlobalFiler™ Express					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	
HULKFH	GlobalFiler™					
	12,12	17,19	14,14	17,17	11,12	Not Tested
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	Not Tested	Not Tested	14,28.2	6,7	8,8
	17,18	10	Not Tested	Not Tested	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

HXK8KK	PowerPlex® Fusion 6c					
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17	14,28.2	6,7	8,8
	17,18	10	18	20		

J9YF9J	PowerPlex® Fusion 5C, Investigator® 24plex					
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17	14,28.2	6,7	8,8
	17,18	10				

JAR4RE	Investigator® 24plex					
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8,8
	17,18	10				

JXG2GV	GlobalFiler™					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	

K6XYMU	GlobalFiler™					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	

KFW6M3	PowerPlex® Fusion 6C					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		

KL34W7	PowerPlex® Fusion					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17		6,7	8
	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

KRM2PZ	PowerPlex® Fusion 6C					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		

KTHKQ2	PowerPlex® Fusion 6C					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		

KXWPDF	PowerPlex® Fusion 6C					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		

L2T4M7	PowerPlex® Fusion					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17		6,7	8
	17,18	10				

L9QQJC	Investigator® 24plex GO!					
	12,12	17,19	14,14	17,17	11,12	N/A
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	N/A	N/A	14,28.2	6,7	8,8
	17,18	10	N/A	N/A	N/A	

LDZB33	PowerPlex® Fusion 6C					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		

LG4ATF	PowerPlex® Fusion 6C					
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17	14,28.2	6,7	8,8
	17,18	10	18	20		

TABLE 1

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

Item 2 - STR Results

LHFG4J — NGM SElect — Item 2

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,12	17,19	14,14	17,17		
		13,14	14,17	17,18		12,13
	12,12	13,13	29,30	15,17	X,Y	
	19,26			14,28.2	6,7	
	17,18					

LMC7MC — Investigator® 24plex — Item 2

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,12	17,19	14,14	17,17	11,12	
	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8,8
	17,18	10				

LWYWTG — GlobalFiler™ — Item 2

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,12	17,19	14,14	17,17	11,12	
	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8,8
	17,18	10			2	

M8TZQ3 — Identifiler® Direct — Item 2

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		17,19		17	11,12	
	10	13,14			9,10	12,13
	12	13	29,30		X,Y	10,11
	19,26				6,7	8
	17,18					

MHALXH — PowerPlex® Fusion — Item 2

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,12	17,19	14,14	17,17	11,12	
	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17	14,28.2	6,7	8,8
	17,18	10	18	20		

MM6K88 — GlobalFiler™ — Item 2

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	

MVHY2G — PowerPlex® Fusion 6C — Item 2

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

N3HBNK — PowerPlex® 16 HS

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
				17,17	11,12	
2	10,10	13,14			9,10	12,13
	12,12		29,30		X,Y	10,11
	19,26	9,9	7,17		6,7	8,8
	17,18					

NE7D4R — GlobalFiler™ Express

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	

NGJDEL — PowerPlex® Fusion

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17		6,7	8,8
	17,18	10				

NRDNNE — FlexPlex 27

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12	17,19	14	17	11,12	11,14
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26		7	14	6,7	8
	17,18	10	18	20		

NTTBXF — GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	

NWM8KL — GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	

P3BGJ6 — Investigator® 24plex

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,12	17,19	14,14	17,17	11,12	Not Tested
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	Not Tested	Not Tested	14,28.2	6,7	8,8
	17,18	10	Not Tested	Not Tested	Not Tested	

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

WebCode / Item	Kit	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
PAVG24 / 2	PowerPlex® Fusion 6C	12	17,19	14	17	11,12	
		10	13,14	14,17	17,18	9,10	12,13
		12	13	29,30	15,17	X,Y	10,11
		19,26	9	7,17	14,28.2	6,7	8
		17,18	10	18	20		
PBN66C / 2	GlobalFiler™	12,12	17,19	14,14	17,17	11,12	
		10,10	13,14	14,17	17,18	9,10	12,13
		12,12	13,13	29,30	15,17	X,Y	10,11
		19,26			14,28.2	6,7	8,8
		17,18	10			2	
PJXYC7 / 2	PowerPlex® Fusion	12,12	17,19	14,14	17,17	11,12	
		10,10	13,14	14,17	17,18	9,10	12,13
		12,12	13,13	29,30	15,17	X,Y	10,11
		19,26	9,9	7,17		6,7	8,8
		17,18	10				
PMXB97 / 2	Investigator® 24plex	12,12	17,19	14,14	17,17	11,12	
		10,10	13,14	14,17	17,18	9,10	12,13
		12,12	13,13	29,30	15,17	X,Y	10,11
		19,26			14,28.2	6,7	8,8
		17,18	10				
PYUNFB / 2	GlobalFiler™	12,12	17,19	14,14	17,17	11,12	
		10,10	13,14	14,17	17,18	9,10	12,13
		12,12	13,13	29,30	15,17	X,Y	10,11
		19,26			14,28.2	6,7	8,8
		17,18	10			2	
Q4NDPA / 2	GlobalFiler™	12,12	17,19	14,14	17,17	11,12	
		10,10	13,14	14,17	17,18	9,10	12,13
		12,12	13,13	29,30	15,17	X,Y	10,11
		19,26			14,28.2	6,7	8,8
		17,18	10			2	
Q7PJ2U / 2	PowerPlex® Fusion 6C	12	17,19	14	17	11,12	
		10	13,14	14,17	17,18	9,10	12,13
		12	13	29,30	15,17	X,Y	10,11
		19,26	9	7,17	14,28.2	6,7	8
		17,18	10	18	20		

TABLE 1

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

Item 2 - STR Results

QBHBXB	GlobalFiler™					
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8,8
	17,18	10			2	
QJXP6M	GlobalFiler™					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	
QLH7A9	Investigator® 24plex					
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8,8
	17,18	10				
QVANQ2	PowerPlex® Fusion					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17		6,7	8
	17,18	10				
QW4EUV	PowerPlex® Fusion 6C					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		
R3L6UV	PowerPlex® Fusion					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17		6,7	8
	17,18	10				
R4GMVW	PowerPlex® Fusion 6C					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		

TABLE 1

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

Item 2 - STR Results

RA3JW2 — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
17,18	10			2	

RDMZ36 — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
17,18	10			2	

REXCU3 — PowerPlex® Fusion 6C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17	14,28.2	6,7	8,8
17,18	10	18	20		

RGN26M — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
17,18	10			2	

RLG4B9 — PowerPlex® Fusion 6C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17	14,28.2	6,7	8,8
17,18	10	18	20		

RLJTDK — GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
17,18	10			2	

RN4C6P — PowerPlex® ESX 17 Fast system — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17		
	13,14	14,17	17,18		12,13
12,12	13,13	29,30	15,17	X,Y	
19,26			14,28.2	6,7	
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

RTD3J9   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26	9	7,17	14,28.2	6,7	8
17,18	10	18	20		

(Item 2)

T2NANX   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
17,18	10			2	

(Item 2)

T33HWY   PowerPlex® Fusion

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26	9	7,17		6,7	8
17,18	10				

(Item 2)

T73UTY   PowerPlex® Fusion

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26	9	7,17		6,7	8
17,18	10				

(Item 2)

TCLHHF   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17	14,28.2	6,7	8,8
17,18	10	18	20		

(Item 2)

TNFY8G   PowerPlex® Fusion

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17		6,7	8,8
17,18	10				

(Item 2)

TRYNFE   GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
17,18	10			2	

(Item 2)

TABLE 1

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

TTB39U	PowerPlex® Fusion					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17		6,7	8
	17,18	10				
TUL6UT	PowerPlex® Fusion 6C					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17	14,28.2	6,7	8
	17,18	10	18	20		
TXACHW	GlobalFiler™					
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8,8
	17,18	10			2	
TYGW6B	Identifiler®, PowerPlex® CS7, Verifiler Express, Investigator HDplex, SureID 23comp					
	12,12	17,19	14,14	17,17	11,12	11,14
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17	14,28.2	6,7	8,8
	17,18				2	
TYZ8R4	GlobalFiler™					
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8,8
	17,18	10			2	
U9L4JB	GlobalFiler™					
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8,8
	17,18	10			2	
UBRGRH	GlobalFiler™					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	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

UDZBUA — Identifiler® Plus (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,19		17,17	11,12	
10,10	13,14			9,10	12,13
12,12	13,13	29,30		X,Y	10,11
19,26				6,7	8,8
17,18					

UGWVW8 — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26	9	7,17	14,28.2	6,7	8
17,18	10	18	20		

UJZFCZ — Investigator® 24plex QS (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
17,18	10				

UK2L69 — FlexPlex 27 (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	11,14
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26		7,17	14,14	6,7	8,8
17,18	10	18	20		

ULB39T — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26	9	7,17	14,28.2	6,7	8
17,18	10	18	20		

UNUEQV — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
17,18	10			2	

UX6JXU — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
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

UYY8FP — GlobalFiler™ Express (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
17,18	10			2	

V4MAWU — PowerPlex® Fusion (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26	9	7,17		6,7	8
17,18	10				

V9YK69 — FlexPlex27 (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	11,14
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26		7,17		6,7	8
17,18	10	18	20		

VAAU82 — Investigator® 24plex (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	N/A
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	N/A	N/A	14,28.2	6,7	8,8
17,18	10	N/A	N/A	N/A	

VBPDQY — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	Not Tested
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17	14,28.2	6,7	8,8
17,18	10	18	20	Not Tested	

VMH3KD — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
17,18	10			2	

VQXXDA — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
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

VRTQMV PowerPlex® Fusion 6C

12,12	17,19	14,14	17,17	11,12	-
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17	14,28.2	6,7	8,8
17,18	10	18	20	-	

Item: 2

W3RGRF GlobalFiler™ Express

12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
17,18	10			2	

Item: 2

WA7UJ7 Investigator® 24plex

12,12	17,19	14,14	17,17	11,12	Not Tested
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	Not Tested	Not Tested	14,28.2	6,7	8,8
17,18	10	Not Tested	Not Tested	Not Tested	

Item: 2

WBZHXV GlobalFiler™

12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
17,18	10			2	

Item: 2

WEJUGX Investigator® 24plex

12,12	17,19	14,14	17,17	11,12	Not Tested
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	Not Tested	Not Tested	14,28.2	6,7	8,8
17,18	10	Not Tested	Not Tested	Not Tested	

Item: 2

WFDHYT Investigator® 24plex QS

12,12	17,19	14,14	17,17	11,12	N/A
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	N/A	N/A	14,28.2	6,7	8,8
17,18	10	N/A	N/A	N/A	

Item: 2

WGPZER PowerPlex® Fusion 6C

12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26	9	7,17	14,28.2	6,7	8
17,18	10	18	20		

Item: 2

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

WMUXMW — PowerPlex® Fusion 5C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17		6,7	8,8
17,18	10				

X2TRK4 — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
17,18	10			2	

X36YWR — PowerPlex® Fusion 6C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17	14,28.2	6,7	8,8
17,18	10	18	20		

X3JLBZ — PowerPlex® Fusion 5C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26	9,9	7,17		6,7	8,8
17,18	10				

X3ZHYU — PowerPlex® Fusion — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26	9	7,17		6,7	8
17,18	10				

X4HY98 — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12	17,19	14	17	11,12	
10	13,14	14,17	17,18	9,10	12,13
12	13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8
17,18	10			2	

X68ZYB — GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,12	17,19	14,14	17,17	11,12	
10,10	13,14	14,17	17,18	9,10	12,13
12,12	13,13	29,30	15,17	X,Y	10,11
19,26			14,28.2	6,7	8,8
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

WebCode / Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
XKK7CV PowerPlex® Fusion						
2	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	9	7,17		6,7	8
	17,18	10				
XMN4GV GlobalFiler™						
2	12,12	17,19	14,14	17,17	11,12	
	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8,8
	17,18	10			2	
XZZAUJ GlobalFiler™						
2	12,12	17,19	14,14	17,17	11,12	
	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8,8
	17,18	10			2	
Y626QN GlobalFiler™						
2	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	
Y8VTAJ GlobalFiler™ Express						
2	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26	N/A	N/A	14,28.2	6,7	8
	17,18	10	N/A	N/A	2	
YALVGT GlobalFiler™						
2	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	
YC7CLC GlobalFiler™						
2	12	17,19	14	17	11,12	
	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	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

YDKBPG	GlobalFiler™					
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8,8
	17,18	10			2	
YK3GN9	GlobalFiler™					
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8,8
	17,18	10			2	
YLCQEK	GlobalFiler™ Express					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	
YNYTBD	GlobalFiler™ Express					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	
YTUWBR	GlobalFiler™					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	
YV2CKH	GlobalFiler™ Express					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	
YX8XA4	PowerPlex® Fusion 5C					
	12,12	17,19	14,14	17,17	11,12	
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26	9,9	7,17		6,7	8,8
	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

Z63P93	FlexPlex27					
	12,12	17,19	14,14	17,17	11,12	11,14
2	10,10	13,14	14,17	17,18	9,10	12,13
	12,12	13,13	29,30	15,17	X,Y	10,11
	19,26		7,17	14,14	6,7	8,8
	17,18	10	18	20		
Z8PX4J	GlobalFiler™ Express					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	
Z96XPT	Identifiler® Direct					
		17,19		17	11,12	
2	10	13,14			9,10	12,13
	12	13	29,30		X,Y	10,11
	19,26				6,7	8
	17,18					
ZJN3KC	GlobalFiler™					
	12	17,19	14	17	11,12	
2	10	13,14	14,17	17,18	9,10	12,13
	12	13	29,30	15,17	X,Y	10,11
	19,26			14,28.2	6,7	8
	17,18	10			2	

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

WebCode / Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
244CBV — PowerPlex® Fusion 5C (Item 3)	13,14	21,21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11		7,9	11,11
	16,17	No Results				
26FB66 — GlobalFiler™ (STRmix) (Item 3)	13,14	21,21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					
2JH8EB — GlobalFiler™ (Item 3)	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
2LMXJ7 — PowerPlex® Fusion (Item 3)	13,14	21,21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11		7,9	11,11
	16,17	NR				
2T96DQ — GlobalFiler™ (Item 3)	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
2T9ZZ4 — Investigator® 24plex (STRmix) (Item 3)	13,14	21,21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17	No Results				
2UFHYY — GlobalFiler™ (Item 3)	13,14	21,21	11,14	16,18	10,12	Not Tested
	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	Not Tested	Not Tested	17,26.2	7,9	11,11
	16,17	No Results	Not Tested	Not Tested	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 3 - STR Results

2WRNN2	FlexPlex 27					
	13,14		11,14	16,18		17,21
3	8,10	13,16	12,13	16,20		
	13,16	13,16				10,12
	21,24		9,11			
	16,17					
33NYW4	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
33Q2XP	Identifiler® Plus, MiniFiler					
		21		16,18	10,12	
3	8,10	13,16			11	11
	13,16	13,16	28,30		X	10,12
	21,24				7,9	11
	16,17					
34MKVJ	PowerPlex® Fusion 6C					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					
3B6FQY	PowerPlex® Fusion 6C (STRmix)					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17	NR	NR	NR		
3CA6P2	PowerPlex® Fusion 6C					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					
3MFFAT	PowerPlex® Fusion 5C					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11		7,9	11,11
	16,17	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 3 - STR Results

3R6MJ7 PowerPlex® Fusion

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	NR				

Item: 3

3WHZAZ Investigator® 24plex (STRmix)

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	No Results				

Item: 3

3XCNTV Investigator® 24plex

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	No Results				

Item: 3

42AUX7 PowerPlex® Fusion

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	no data				

Item: 3

482694 PowerPlex® Fusion

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	ND				

Item: 3

4LZJHT Investigator® 24plex (STRmix)

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	No Results				

Item: 3

4N49LM Investigator® 24plex QS

13,14	21,21	11,14	16,18	10,12	N/A
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	N/A	N/A	17,26.2	7,9	11,11
16,17	N/A	N/A	N/A	N/A	

Item: 3

TABLE 1

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

4QDN68	GlobalFiler™ (STRmix)					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

4UDZZ8	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

4YKZ7Q	Investigator® 24plex					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					

68VJ6F	PowerPlex® Fusion 6C					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					

6BTVPZ	Identifiler® Plus					
		21,21		16,18	10,12	
3	8,10	13,16			11,11	11,11
	13,16	13,16	28,30		X,X	10,12
	21,24				7,9	11,11
	16,17					

6NYEE2	GlobalFiler™ casework					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					

6Q8WPW	PowerPlex® Fusion 6C (STRmix)					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17	NR	NR	NR		

TABLE 1

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

Item 3 - STR Results

6XAFZ2 — GlobalFiler™

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

72HT4Y — Identifiler® Plus

	21,21		16,18	10,12	
8,10	13,16			11,11	11,11
13,16	13,16	28,30		X,X	10,12
21,24				7,9	11,11
16,17					

7BQTTM — GlobalFiler™

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11
16,17	NM			NM	

7GEDXN — GlobalFiler™

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11
16,17	NM			NM	

7GWLMH — PowerPlex® Fusion 5C

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11		7,9	11
16,17	NR				

7Q22JV — PowerPlex® Fusion 6C

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17	NR	NR	NR		

7Q7TMR — PowerPlex® Fusion 5C

13,14	21,21	11,14	16,18	10,12	Not Tested
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	Not Tested	7,9	11,11
16,17	No Results	Not Tested	Not Tested	Not Tested	

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

86KGAV	Investigator® 24plex					
	13,14	21,21	11,14	16,18	10,12	Not Tested
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	Not Tested	Not Tested	17,26.2	7,9	11,11
	16,17	No Results	Not Tested	Not Tested	Not Tested	

87UVPU	PowerPlex® Fusion 6C					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					

8B7EXH	PowerPlex® Fusion					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11		7,9	11
	16,17	NR				

8EJEVA	GlobalFiler™					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					

8L7RM3	GlobalFiler™ (STRmix)					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

8REVYV	FlexPlex27					
	13,14					17,21
3	8,10		12,13	16,20		
		13,16	28,30			10,12
					7,9	

8W9TM2	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17	no data			no data	

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

8ZNHL6 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

99UP26 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

9A9HTL GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11
	16,17	NM			NM	

9AP837 GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

9KP9QQ PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17	No Results	No Results	No Results		

9T7CPX GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

9TJDKR PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17	No Results	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 3 - STR Results

9TLTJQ PowerPlex® Fusion 6C (STRmix)

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17	NR	NR	NR		

9ZXG8K GlobalFiler™

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11
16,17	NM			NM	

AFR6XB PowerPlex® Fusion 6C

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

AHV2HD GlobalFiler™ (STRmix)

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17	NR			NR	

AJRJJE PowerPlex® Fusion 6C

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

ANLDKM Investigator® 24plex

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

AU823Q PowerPlex® Fusion 6C

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	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

AU944B	PowerPlex® Fusion 6C					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					
B8T3A4	GlobalFiler™					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17	-			-	
BFMBRA	PowerPlex® Fusion 6C					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					
BHQ4NU	GlobalFiler™					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					
BJPEXW	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
BMNQTW	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
BTTW4T	GlobalFiler™					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17	NR			NR	

TABLE 1

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

Item 3 - STR Results

C89J4X	PowerPlex® Fusion 6C (STRmix)					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					

CP66LH	GlobalFiler™					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					

CQLTV3	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

CQLTXN	PowerPlex® Fusion 6C					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17					

CTRQD6	GlobalFiler™					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					

CWQ3A6	GlobalFiler™					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					

DKA6XR	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	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

DW8DPP — PowerPlex® Fusion 6C — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17	No Results	No Results	No Results		

DYBCZH — GlobalFiler™ (STRmix) — Item 3

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	No Results			No Results	

DZ4ZJD — Investigator® 24plex QS — Item 3

13,14	21,21	11,14	16,18	10,12	N/A
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	N/A	N/A	17,26.2	7,9	11,11
16,17	N/A	N/A	N/A	N/A	

EJTBQP — Identifiler® Plus — Item 3

	21,21		16,18	10,12	
8,10	13,16			11,11	11,11
13,16	13,16	28,30		X,X	10,12
21,24				7,9	11,11
16,17					

EJWPPQ — GlobalFiler™ IQC — Item 3

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	-			-	

EUCGDZ — GlobalFiler™ — Item 3

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

EUWXVN — Investigator® 24plex (STRmix) — Item 3

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	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 3 - STR Results

EW69NL — GlobalFiler™

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	No Results			No Results	

EWZDVK — PowerPlex® Fusion 6C (STRmix)

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17	NR	NR	NR		

F9BN7B — PowerPlex® Fusion 6C

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17					

FAJVBN — PowerPlex® Fusion 6C

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

FBXRPM — GlobalFiler™

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

FC9RPM — PowerPlex® Fusion 6C

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17	NR	NR	NR		

FJRVWP — PowerPlex® Fusion

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	ND				

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

FLCEM9 — PowerPlex® Fusion 6C — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

FLV39A — PowerPlex® Fusion — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11		7,9	11
16,17	NR				

GBGTCP — GlobalFiler™ — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

GN3BZL — PowerPlex® 21 (STRmix v2.8.0) — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21		16,18	10,12	17,21
8,10	13,16		16,20	11,11	11,11
13,16	13,16	28,30		X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17					

GNJUVZ — PowerPlex® Fusion 5C — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11		7,9	11
16,17					

GQ392L — PowerPlex® Fusion 5C — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	No Results				

H3WKCD — PowerPlex® 5C — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	Not Tested
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	Not Tested	7,9	11,11
16,17	No Results	Not Tested	Not Tested	Not Tested	

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

HH9QDH — PowerPlex® Fusion 6C — Item 3

D1S1656 etc.					
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17	NR	NR	NR		

HHR7FK — Investigator® 24plex — Item 3

13,14	21,21	11,14	16,18	10,12	Not Tested
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	Not Tested	Not Tested	17,26.2	7,9	11,11
16,17	No Results	Not Tested	Not Tested	Not Tested	

HPRUKK — FlexPlex 27 — Item 3

13,14		11,14	16,18	10,12	17,21
8,10	13,16	12,13	16,20	11,11	
13,16	13,16	28,30	12,18		10,12
21,24		9,11			
16,17					

HQMAKH — PowerPlex® Fusion 5C — Item 3

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	No Results				

HULKFH — PowerPlex® Fusion 6C — Item 3

13,14	21,21	11,14	16,18	10,12	Not Tested
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17	No Results	No Results	No Results	Not Tested	

HXK8KK — PowerPlex® Fusion 6c (STRmix v. 2.5) — Item 3

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17	NR	NR	NR		

J9YF9J — GlobalFiler™ (STRmix) — Item 3

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
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 3 - STR Results

JAR4RE — PowerPlex® Fusion 5C

Item						
3	13,14	21,21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11		7,9	11,11
	16,17	No Results				

JGWBJG — PowerPlex® Fusion 6C

Item						
3	13,14	21,21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17					

JXG2GV — GlobalFiler™

Item						
3	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

K6XYMU — GlobalFiler™ (STRmix)

Item						
3	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

KFW6M3 — PowerPlex® Fusion 6C

Item						
3	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					

KL34W7 — PowerPlex® Fusion

Item						
3	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11		7,9	11
	16,17	NR				

KRM2PZ — PowerPlex® Fusion 6C

Item						
3	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	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

KTHKQ2 PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					

KXWPDF PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					

L2T4M7 PowerPlex® Fusion

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11		7,9	11
	16,17	NR				

LDZB33 PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					

LG4ATF PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	13,14	21,21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17	NR	NR	NR		

LHFG4J NGM SElect

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	13,14	21,21	11,14	16,18		
		13,16	12,13	16,20		11,11
	13,16	13,16	28,30	12,18	X,X	
	21,24			17,26.2	7,9	
	16,17					

LMC7MC PowerPlex® Fusion 5C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	13,14	21,21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11		7,9	11,11
	16,17	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 3 - STR Results

LWYWTG — GlobalFiler™ — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

M8TZQ3 — Identifiler® Plus — Item 3

	21		16,18	10,12	
8,10	13,16			11	11
13,16	13,16	28,30		X,X	10,12
21,24				7,9	11
16,17					

MHALXH — PowerPlex® Fusion — Item 3

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17					

MM6K88 — GlobalFiler™ — Item 3

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

MVHY2G — PowerPlex® Fusion 6C — Item 3

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

N3HBNK — PowerPlex® 16 HS — Item 3

			16,18	10,12	
8,10	13,16			11,11	11,11
13,16		28,30		X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17					

NGJDEL — PowerPlex® Fusion — Item 3

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	NR				

TABLE 1

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

Item 3 - STR Results

NRDNNE — FlexPlex 27

Item						
3	13,14	21	11,14	16,18	10,12	17,21
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24		9,11	17,26.2	7,9	11
	16,17					

NTTBXF — GlobalFiler™

Item						
3	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

NWM8KL — GlobalFiler™

Item						
3	13,14	21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

P3BGJ6 — PowerPlex® Fusion 5C

Item						
3	13,14	21,21	11,14	16,18	10,12	Not Tested
	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	Not Tested	7,9	11,11
	16,17	No Results	Not Tested	Not Tested	Not Tested	

PBN66C — GlobalFiler™

Item						
3	13,14	21,21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					

PJXYC7 — Investigator® 24plex

Item						
3	13,14	21,21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17	No Results				

PMXB97 — PowerPlex® Fusion 5C

Item						
3	13,14	21,21	11,14	16,18	10,12	
	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11		7,9	11,11
	16,17	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 3 - STR Results

PYUNFB	GlobalFiler™					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					
Q4NDPA	GlobalFiler™					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17	No Results			No Results	
Q7PJ2U	PowerPlex® Fusion 6C					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					
QBHBXB	GlobalFiler™					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					
QJXP6M	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
QLH7A9	PowerPlex® Fusion 5C					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11		7,9	11,11
	16,17	No Results				
QRRWQD	PowerPlex® Fusion 6C					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17	NR	NR	NR		

TABLE 1

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

Item 3 - STR Results

WebCode / Item						
QVANQ2	PowerPlex® Fusion					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11		7,9	11
	16,17	NR				
QW4EUV	PowerPlex® Fusion 6C					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					
R4GMVW	PowerPlex® Fusion 6C					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					
RA3JW2	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17	-			-	
RDMZ36	GlobalFiler™					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24			17,26.2	7,9	11,11
	16,17					
REXCU3	PowerPlex® Fusion 6C					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11,11
	16,17					
RGN26M	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	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

RLG4B9 — PowerPlex® Fusion 6C (STRmix) — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17	NR	NR	NR		

RN4C6P — PowerPlex® ESX 17 Fast system — Item 3

13,14	21,21	11,14	16,18		
	13,16	12,13	16,20		11,11
13,16	13,16	28,30	12,18	X,X	
21,24			17,26.2	7,9	
16,17					

RTD3J9 — PowerPlex® Fusion 6C — Item 3

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

T2NANX — GlobalFiler™ — Item 3

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11
16,17					

T33HWY — PowerPlex® Fusion — Item 3

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11		7,9	11
16,17	NR				

T73UTY — PowerPlex® Fusion — Item 3

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11		7,9	11
16,17	NR				

TCLHHF — PowerPlex® Fusion 6C (STRmix) — Item 3

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17	NR	NR	NR		

TABLE 1

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

TNFY8G — PowerPlex® Fusion — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17	NR				

TRYNFE — GlobalFiler™ Express — Item 3

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

TUL6UT — PowerPlex® Fusion 6C — Item 3

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

TXACHW — GlobalFiler™ — Item 3

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

TYGW6B — Identifiler®, PowerPlex® CS7, Verifiler Express, Investigator HDplex, SureID 23comp — Item 3

13,14	21,21	11,14	16,18	10,12	17,21
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17					

TYZ8R4 — GlobalFiler™ (STRmix) — Item 3

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

U9L4JB — GlobalFiler™ — Item 3

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
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

UBRGRH — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

UDZBUA — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	21,21		16,18	10,12	
8,10	13,16			11,11	11,11
13,16	13,16	28,30		X,X	10,12
21,24				7,9	11,11
16,17					

UGWVW8 — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

UJZFCZ — PowerPlex® Fusion

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11		7,9	11,11
16,17					

UK2L69 — FlexPlex 27

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	17,21
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24		9,11	17,26.2	7,9	11,11
16,17					

ULB39T — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11	17,26.2	7,9	11
16,17					

UNUEQV — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
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

UX6JXU	GlobalFiler™ (STRmix)					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

V4MAWU	PowerPlex® Fusion					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11		7,9	11
	16,17	NR				

V9YK69	FlexPlex27					
	13,14	21	11,14	16,18	10,12	17,21
3			12,13	16,20		
	13,16	13,16	28,30	12,18		10,12
	21,24		9,11	17,26.2	7,9	
	16,17					

VAAU82	PowerPlex® Fusion 5C					
	13,14	21,21	11,14	16,18	10,12	N/A
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	N/A	7,9	11,11
	16,17	No Results	N/A	N/A	N/A	

VBPDQY	PowerPlex® Fusion 5C					
	13,14	21,21	11,14	16,18	10,12	Not Tested
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	Not Tested	7,9	11,11
	16,17	No Results	Not Tested	Not Tested	Not Tested	

VMH3KD	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					

VQXXDA	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	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

VRTQMV	PowerPlex® Fusion 6C					
	13,14	21	11,14	16,18	10,12	-
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17	-	-	-	-	
WA7UJ7	PowerPlex® Fusion 5C (STRmix)					
	13,14	21,21	11,14	16,18	10,12	Not Tested
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	Not Tested	7,9	11,11
	16,17	No Results	Not Tested	Not Tested	Not Tested	
WBZHXV	GlobalFiler™					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24			17,26.2	7,9	11
	16,17					
WEJUGX	PowerPlex® Fusion 5C (STRmix)					
	13,14	21,21	11,14	16,18	10,12	Not Tested
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11	Not Tested	7,9	11,11
	16,17	No Results	Not Tested	Not Tested	Not Tested	
WFDHYT	Investigator® 24plex QS					
	13,14	21,21	11,14	16,18	10,12	N/A
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	N/A	N/A	17,26.2	7,9	11,11
	16,17	N/A	N/A	N/A	N/A	
WGPZER	PowerPlex® Fusion 6C					
	13,14	21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11	11
	13,16	13,16	28,30	12,18	X	10,12
	21,24	8,12	9,11	17,26.2	7,9	11
	16,17					
WMUXMW	PowerPlex® Fusion 5C					
	13,14	21,21	11,14	16,18	10,12	
3	8,10	13,16	12,13	16,20	11,11	11,11
	13,16	13,16	28,30	12,18	X,X	10,12
	21,24	8,12	9,11		7,9	11,11
	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

X2TRK4 — GlobalFiler™ (Item 3)

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

X36YWR — PowerPlex® Fusion 6C (Item 3)

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17					

X3JLBZ — Investigator® 24plex (Item 3)

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	No Results				

X3ZHYU — PowerPlex® Fusion (Item 3)

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11		7,9	11
16,17	NR				

X4HY98 — GlobalFiler™ (Item 3)

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

X68ZYB — GlobalFiler™ Express (Item 3)

13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17					

XKK7CV — PowerPlex® Fusion (STRmix) (Item 3)

13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24	8,12	9,11		7,9	11
16,17	NR				

TABLE 1

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	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

XMN4GV — 3 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	NR			NR	

XZZAUJ — 3 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	--			--	

Y626QN — 3 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

YALVGT — 3 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11
16,17					

YC7CLC — 3 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

YDKBPG — 3 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	--			--	

YK3GN9 — 3 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
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

YTUWBR — GlobalFiler™ — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	11
16,17					

YX8XA4 — Investigator® 24plex — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24			17,26.2	7,9	11,11
16,17	No Results				

YZRCR4 — PowerPlex® Fusion 6C — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,14	21,21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24	8,12	9,11	17,26.2	7,9	11,11
16,17	NR	NR	NR		

Z63P93 — FlexPlex27 — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,14	21,21	11,14	16,18	10,12	17,21
8,10	13,16	12,13	16,20	11,11	11,11
13,16	13,16	28,30	12,18	X,X	10,12
21,24		9,11	17,26.2	7,9	11,11
16,17					

Z96XPT — Identifiler® Plus — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	21		16,18	10,12	
8,10	13,16			11	11
13,16	13,16	28,30		X,X	10,12
21,24				7,9	11
16,17					

ZJN3KC — GlobalFiler™ — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,14	21	11,14	16,18	10,12	
8,10	13,16	12,13	16,20	11	11
13,16	13,16	28,30	12,18	X	10,12
21,24			17,26.2	7,9	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 4 - STR Results

244CBV — PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16.3,17.3	21,22	11,11	16,17	11,12	
	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	9,11	5,13		6,8	8,10
	15,17	12				

26FB66 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16.3,17.3	21,22	11,11	16,17	11,12	
	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	

2JH8EB — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16.3,17.3	21,22	11	16,17	11,12	
	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	

2LMXJ7 — PowerPlex® Fusion

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16.3,17.3	21,22	11,11	16,17	11,12	
	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	9,11	5,13		6,8	8,10
	15,17	12				

2T96DQ — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16.3,17.3	21,22	11	16,17	11,12	
	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	

2T9ZZ4 — Investigator® 24plex

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16.3,17.3	21,22	11,11	16,17	11,12	
	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12				

2UFHYY — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16.3,17.3	21,22	11,11	16,17	11,12	Not Tested
	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	Not Tested	Not Tested	21,29.2	6,8	8,10
	15,17	12	Not Tested	Not Tested	2	

TABLE 1

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

Item 4 - STR Results

2WRNN2 FlexPlex 27

16.3,17.3	21,22	11	16,17	11,12	13,14
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24		5,13	21,29.2	6,8	8,10
15,17	12	20	19		

Item: 4

33NYW4 GlobalFiler™

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

Item: 4

33Q2XP Identifiler® Plus, MiniFiler

	21,22		16,17	11,12	
10,12	12,13			11	11,13
14	13,15.2	29,30.2		X,Y	10,12
20,24				6,8	8,10
15,17					

Item: 4

34MKVJ PowerPlex® Fusion 6C

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

Item: 4

3B6FQY PowerPlex® Fusion 6C

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

Item: 4

3CA6P2 PowerPlex® Fusion 6C (STRmix)

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

Item: 4

3MFFAT PowerPlex® Fusion 5C

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

Item: 4

TABLE 1

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

Item 4 - STR Results

3R6MJ7 PowerPlex® Fusion

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

3WHZAZ PowerPlex® Fusion

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

3XCNTV Investigator® 24plex

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12				

42AUX7 PowerPlex® Fusion

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

482694 PowerPlex® Fusion

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

4LZJHT Investigator® 24plex (STRmix)

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12				

4N49LM Investigator® 24plex QS

16.3,17.3	21,22	11,11	16,17	11,12	N/A
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	N/A	N/A	21,29.2	6,8	8,10
15,17	12	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 4 - STR Results

4QDN68 — GlobalFiler™ (STRmix) — Item 4

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

4UDZZ8 — GlobalFiler™ (STRmix) — Item 4

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

4YKZ7Q — Investigator® 24plex — Item 4

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12				

68VJ6F — PowerPlex® Fusion 6C — Item 4

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

6BTVPZ — Identifiler® Plus — Item 4

	21,22		16,17	11,12	
10,12	12,13			11,11	11,13
14,14	13,15.2	29,30.2		X,Y	10,12
20,24				6,8	8,10
15,17					

6NYEE2 — GlobalFiler™ casework — Item 4

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

6Q8WPW — PowerPlex® Fusion 6C — Item 4

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

TABLE 1

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

Item 4 - STR Results

6XAFZ2 — GlobalFiler™ — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

72HT4Y — Identifiler® Plus — Item 4

	21,22		16,17	11,12	
10,12	12,13			11,11	11,13
14,14	13,15.2	29,30.2		X,Y	10,12
20,24				6,8	8,10
15,17					

7BQTTM — GlobalFiler™ — Item 4

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

7GEDXN — GlobalFiler™ — Item 4

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

7GWLMH — PowerPlex® Fusion 5C — Item 4

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

7Q22JV — PowerPlex® Fusion 6C — Item 4

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

7Q7TMR — PowerPlex® Fusion 5C — Item 4

16.3,17.3	21,22	11,11	16,17	11,12	Not Tested
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13	Not Tested	6,8	8,10
15,17	12	Not Tested	Not Tested	Not Tested	

TABLE 1

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

Item 4 - STR Results

86KGAV — Investigator® 24plex (Item 4)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16.3,17.3	21,22	11,11	16,17	11,12	Not Tested
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	Not Tested	Not Tested	21,29.2	6,8	8,10
15,17	12	Not Tested	Not Tested	Not Tested	

87UVPU — PowerPlex® Fusion 6C (Item 4)

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

8B7EXH — PowerPlex® Fusion (Item 4)

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

8EJEVA — GlobalFiler™ (Item 4)

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

8L7RM3 — GlobalFiler™ (STRmix) (Item 4)

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

8REVYV — FlexPlex27 (Item 4)

16.3,17.3	21,22	11	16,17	11,12	13,14
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24		5,13	21,29.2	6,8	8,10
15,17	12	20	19		

8W9TM2 — GlobalFiler™ (Item 4)

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

TABLE 1

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

Item 4 - STR Results

8ZNHL6 — GlobalFiler™ (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

99UP26 — GlobalFiler™ (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

9A9HTL — GlobalFiler™ (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

9AP837 — GlobalFiler™ (STRmix) (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

9KP9QQ — PowerPlex® Fusion 6C (STRmix) (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

9T7CPX — GlobalFiler™ (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

9TJDKR — Investigator® 24plex (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12				

TABLE 1

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

Item 4 - STR Results

9TLTJQ PowerPlex® Fusion 6C

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

9ZXG8K GlobalFiler™

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

AFR6XB PowerPlex® Fusion 6C

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

AHV2HD GlobalFiler™

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

AJRJJE PowerPlex® Fusion 6C

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

ANLDKM Investigator® 24plex

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12				

AU823Q PowerPlex® Fusion 6C (STRmix)

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

TABLE 1

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

Item 4 - STR Results

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
AU944B	PowerPlex® Fusion 6C					
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19		
B8T3A4	GlobalFiler™					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	
BFMBRA	PowerPlex® Fusion 6C					
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19		
BHQ4NU	GlobalFiler™					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	
BJPEXW	GlobalFiler™					
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	
BMNQTW	GlobalFiler™					
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	
BTTW4T	GlobalFiler™ (STRmix)					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	

TABLE 1

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

Item 4 - STR Results

C89J4X   PowerPlex® Fusion 6C (STRmix)

Item						
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19		

CP66LH   GlobalFiler™

Item						
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	

CQLTV3   GlobalFiler™ (STRmix)

Item						
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	

CQLTXN   PowerPlex® Fusion 6C

Item						
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19		

CTRQD6   GlobalFiler™

Item						
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	

CWQ3A6   GlobalFiler™

Item						
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	

DKA6XR   GlobalFiler™

Item						
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	

TABLE 1

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

Item 4 - STR Results

DW8DPP — PowerPlex® Fusion — 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

DYBCZH — GlobalFiler™ (STRmix) — 4

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

DZ4ZJD — Investigator® 24plex QS — 4

16.3,17.3	21,22	11,11	16,17	11,12	N/A
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	N/A	N/A	21,29.2	6,8	8,10
15,17	12	N/A	N/A	N/A	

EJTBQP — Identifiler® Plus — 4

	21,22		16,17	11,12	
10,12	12,13			11,11	11,13
14,14	13,15.2	29,30.2		X,Y	10,12
20,24				6,8	8,10
15,17					

EJWPPQ — GlobalFiler™ IQC — 4

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

EUCGDZ — GlobalFiler™ — 4

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

EUWXVN — Investigator® 24plex (STRmix) — 4

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12				

TABLE 1

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

Item 4 - STR Results

EW69NL	GlobalFiler™					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	

EWZDVK	PowerPlex® Fusion 6C					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19		

F9BN7B	PowerPlex® Fusion 6C					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19		

FAJVBN	PowerPlex® Fusion 6C					
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19		

FBXRPM	GlobalFiler™					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	

FC9RPM	PowerPlex® Fusion 6C					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19		

FJRVWP	PowerPlex® Fusion					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	9,11	5,13		6,8	8,10
	15,17	12				

TABLE 1

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

Item 4 - STR Results

FLCEM9	PowerPlex® Fusion 6C					
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19		
FLV39A	PowerPlex® Fusion					
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24	9,11	5,13		6,8	8,10
	15,17	12				
GBGTCP	GlobalFiler™					
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	
GN3BZL	PowerPlex® 21 (STRmix v2.8.0)					
	16.3,17.3	21,22		16,17	11,12	13,14
4	10,12	12,13		15,17	11,11	11,13
	14,14	13,15.2	29,30.2		X,Y	10,12
	20,24	9,11	5,13		6,8	8,10
	15,17					
GNJUVZ	PowerPlex® Fusion 5C					
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24	9,11	5,13		6,8	8,10
	15,17	12				
GQ392L	PowerPlex® Fusion 5C					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	9,11	5,13		6,8	8,10
	15,17	12				
H3WKCD	PowerPlex® 5C					
	16.3,17.3	21,22	11,11	16,17	11,12	Not Tested
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	9,11	5,13	Not Tested	6,8	8,10
	15,17	12	Not Tested	Not Tested	Not Tested	

TABLE 1

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

Item 4 - STR Results

HH9QDH — PowerPlex® Fusion 6C

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

HHR7FK — Investigator® 24plex

16.3,17.3	21,22	11,11	16,17	11,12	Not Tested
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	Not Tested	Not Tested	21,29.2	6,8	8,10
15,17	12	Not Tested	Not Tested	Not Tested	

HPRUKK — FlexPlex 27

16.3,17.3	21,22	11,11	16,17	11,12	13,14
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24		5,13	21,29.2	6,8	8,10
15,17	12	20	19		

HQMAKH — PowerPlex® Fusion 5C

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

HULKFH — PowerPlex® Fusion 6C

16.3,17.3	21,22	11,11	16,17	11,12	Not Tested
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19	Not Tested	

HXK8KK — PowerPlex® Fusion 6c

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

J9YF9J — GlobalFiler™ (STRmix)

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

TABLE 1

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

Item 4 - STR Results

JAR4RE — PowerPlex® Fusion 5C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16.3,17.3	21,22	11,11	16,17	11,12	
	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	9,11	5,13		6,8	8,10
	15,17	12				

JGWBJG — PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16.3,17.3	21,22	11,11	16,17	11,12	
	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19		

JXG2GV — GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16.3,17.3	21,22	11	16,17	11,12	
	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	

K6XYMU — GlobalFiler™ (STRmix)

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16.3,17.3	21,22	11	16,17	11,12	
	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	

KFW6M3 — PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16.3,17.3	21,22	11	16,17	11,12	
	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19		

KL34W7 — PowerPlex® Fusion

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16.3,17.3	21,22	11	16,17	11,12	
	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24	9,11	5,13		6,8	8,10
	15,17	12				

KRM2PZ — PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16.3,17.3	21,22	11	16,17	11,12	
	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19		

TABLE 1

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

Item 4 - STR Results

KTHKQ2 — PowerPlex® Fusion 6C — Item 4

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

KXWPDF — PowerPlex® Fusion 6C (STRmix) — Item 4

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

L2T4M7 — PowerPlex® Fusion — Item 4

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

LDZB33 — PowerPlex® Fusion 6C — Item 4

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

LG4ATF — PowerPlex® Fusion 6C — Item 4

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

LHFG4J — NGM SElect — Item 4

16.3,17.3	21,22	11,11	16,17		
	12,13	14,14	15,17		11,13
14,14	13,15.2	29,30.2	15,15	X,Y	
20,24			21,29.2	6,8	
15,17					

LMC7MC — PowerPlex® Fusion 5C (STRmix) — Item 4

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

TABLE 1

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

Item 4 - STR Results

LWYWTG — GlobalFiler™ — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

M8TZQ3 — Identifiler® Plus — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	21,22		16,17	11,12	
10,12	12,13			11	11,13
14	13,15.2	29,30.2		X,Y	10,12
20,24				6,8	8,10
15,17					

MHALXH — PowerPlex® Fusion — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

MM6K88 — GlobalFiler™ — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

MVHY2G — PowerPlex® Fusion 6C (STRmix) — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

N3HBNK — PowerPlex® 16 HS — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
			16,17	11,12	
10,12	12,13			11,11	11,13
14,14		29,30.2		X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17					

NGJDEL — PowerPlex® Fusion — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

TABLE 1

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

Item 4 - STR Results

NRDNNE — FlexPlex 27 — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11	16,17	11,12	13,14
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24		5,13	21,29.2	6,8	8,10
15,17	12	20	19		

NTTBXF — GlobalFiler™ — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

NWM8KL — GlobalFiler™ (STRmix) — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

P3BGJ6 — PowerPlex® Fusion 5C — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11,11	16,17	11,12	Not Tested
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13	Not Tested	6,8	8,10
15,17	12	Not Tested	Not Tested	Not Tested	

PBN66C — GlobalFiler™ — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

PJXYC7 — Investigator® 24plex — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12				

PMXB97 — PowerPlex® Fusion 5C — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

TABLE 1

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

Item 4 - STR Results

PYUNFB	GlobalFiler™					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	
Q4NDPA	GlobalFiler™					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	
Q7PJ2U	PowerPlex® Fusion 6C					
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19		
QBHBXB	GlobalFiler™					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	
QJXP6M	GlobalFiler™					
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	
QLH7A9	PowerPlex® Fusion 5C					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	9,11	5,13		6,8	8,10
	15,17	12				
QRRWQD	PowerPlex® Fusion 6C					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19		

TABLE 1

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

Item 4 - STR Results

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
QVANQ2	PowerPlex® Fusion					
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24	9,11	5,13		6,8	8,10
	15,17	12				
QW4EUV	PowerPlex® Fusion 6C					
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19		
R4GMVW	PowerPlex® Fusion 6C					
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19		
RA3JW2	GlobalFiler™					
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	
RDMZ36	GlobalFiler™					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	
REXCU3	PowerPlex® Fusion 6C					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19		
RGN26M	GlobalFiler™					
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	

TABLE 1

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

Item 4 - STR Results

RLG4B9 — PowerPlex® Fusion 6C

Item 4

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

RN4C6P — PowerPlex® ESX 17 Fast system

Item 4

16.3,17.3	21,22	11,11	16,17		
	12,13	14,14	15,17		11,13
14,14	13,15.2	29,30.2	15,15	X,Y	
20,24			21,29.2	6,8	
15,17					

RTD3J9 — PowerPlex® Fusion 6C (STRmix)

Item 4

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

T2NANX — GlobalFiler™

Item 4

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

T33HWY — PowerPlex® Fusion

Item 4

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

T73UTY — PowerPlex® Fusion

Item 4

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

TCLHHF — PowerPlex® Fusion 6C

Item 4

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

TABLE 1

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

Item 4 - STR Results

TNFY8G — PowerPlex® Fusion

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

TRYNFE — GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

TUL6UT — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

TXACHW — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

TYGW6B — Identifiler®, PowerPlex® CS7, Verifiler Express, Investigator HDplex, SureID 23comp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11,11	16,17	11,12	13,14
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17				2	

TYZ8R4 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

U9L4JB — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

TABLE 1

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

Item 4 - STR Results

UBRGRH — GlobalFiler™   (Item 4)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

UDZBUA — Identifiler® Plus   (Item 4)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	21,22		16,17	11,12	
10,12	12,13			11,11	11,13
14,14	13,15.2	29,30.2		X,Y	10,12
20,24				6,8	8,10
15,17					

UGWVW8 — PowerPlex® Fusion 6C   (Item 4)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

UJZFCZ — PowerPlex® Fusion   (Item 4)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

UK2L69 — FlexPlex 27   (Item 4)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16.3,17.3	21,22	11,11	16,17	11,12	13,14
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24		5,13	21,29.2	6,8	8,10
15,17	12	20	19		

ULB39T — PowerPlex® Fusion 6C   (Item 4)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

UNUEQV — GlobalFiler™   (Item 4)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

TABLE 1

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

Item 4 - STR Results

UX6JXU GlobalFiler™

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

V4MAWU PowerPlex® Fusion

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

V9YK69 FlexPlex27

16.3,17.3	21,22		16,17	11,12	13,14
10,12	12,13		15,17		
14	13,15.2	29,30.2		X,Y	10,12
20,24		5,13	21,29.2	6,8	
15,17	12	20	19		

VAAU82 PowerPlex® Fusion 5C

16.3,17.3	21,22	11,11	16,17	11,12	N/A
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13	N/A	6,8	8,10
15,17	12	N/A	N/A	N/A	

VBPDQY PowerPlex® Fusion 6C

16.3,17.3	21,22	11,11	16,17	11,12	Not Tested
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19	Not Tested	

VMH3KD GlobalFiler™

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

VQXXDA GlobalFiler™

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

TABLE 1

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

Item 4 - STR Results

VRTQMV — PowerPlex® Fusion 6C

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
4	16.3,17.3	21,22	11	16,17	11,12	-
	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19	-	

WA7UJ7 — PowerPlex® Fusion 5C (STRmix)

Item						
4	16.3,17.3	21,22	11,11	16,17	11,12	Not Tested
	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	9,11	5,13	Not Tested	6,8	8,10
	15,17	12	Not Tested	Not Tested	Not Tested	

WBZHXV — GlobalFiler™

Item						
4	16.3,17.3	21,22	11	16,17	11,12	
	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	

WEJUGX — PowerPlex® Fusion 5C

Item						
4	16.3,17.3	21,22	11,11	16,17	11,12	Not Tested
	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	9,11	5,13	Not Tested	6,8	8,10
	15,17	12	Not Tested	Not Tested	Not Tested	

WFDHYT — Investigator® 24plex QS

Item						
4	16.3,17.3	21,22	11,11	16,17	11,12	N/A
	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	N/A	N/A	21,29.2	6,8	8,10
	15,17	12	N/A	N/A	N/A	

WGPZER — PowerPlex® Fusion 6C

Item						
4	16.3,17.3	21,22	11	16,17	11,12	
	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24	9,11	5,13	21,29.2	6,8	8,10
	15,17	12	20	19		

WMUXMW — PowerPlex® Fusion 5C

Item						
4	16.3,17.3	21,22	11,11	16,17	11,12	
	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24	9,11	5,13		6,8	8,10
	15,17	12				

TABLE 1

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

Item 4 - STR Results

X2TRK4 — GlobalFiler™ (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

X36YWR — PowerPlex® Fusion 6C (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

X3JLBZ — Investigator® 24plex (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12				

X3ZHYU — PowerPlex® Fusion (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

X4HY98 — GlobalFiler™ (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

X68ZYB — GlobalFiler™ Express (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

XKK7CV — PowerPlex® Fusion (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24	9,11	5,13		6,8	8,10
15,17	12				

TABLE 1

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

Item 4 - STR Results

XMN4GV	GlobalFiler™					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	
XZZAUJ	GlobalFiler™					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	
Y626QN	GlobalFiler™					
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	
YALVGT	GlobalFiler™					
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	
YC7CLC	GlobalFiler™ (STRmix)					
	16.3,17.3	21,22	11	16,17	11,12	
4	10,12	12,13	14	15,17	11	11,13
	14	13,15.2	29,30.2	15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	
YDKBPG	GlobalFiler™					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	
YK3GN9	GlobalFiler™					
	16.3,17.3	21,22	11,11	16,17	11,12	
4	10,12	12,13	14,14	15,17	11,11	11,13
	14,14	13,15.2	29,30.2	15,15	X,Y	10,12
	20,24			21,29.2	6,8	8,10
	15,17	12			2	

TABLE 1

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

Item 4 - STR Results

YTUWBR — GlobalFiler™ — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

YX8XA4 — Investigator® 24plex — Item 4

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12				

YZRCR4 — PowerPlex® Fusion 6c — Item 4

16.3,17.3	21,22	11,11	16,17	11,12	
10,12	12,13	14,14	15,17	11,11	11,13
14,14	13,15.2	29,30.2	15,15	X,Y	10,12
20,24	9,11	5,13	21,29.2	6,8	8,10
15,17	12	20	19		

Z63P93 — Flexplex27 — Item 4

16.3,17.3	21,22		16,17	11,12	13,14
	12,13		15,17		11,13
	13,15.2	29,30.2		X,Y	10,12
20,24		5,13	21,29.2		8,10
15,17	12	20	19		

Z96XPT — Identifiler® Plus — Item 4

	21,22		16,17	11,12	
10,12	12,13			11	11,13
14	13,15.2	29,30.2		X,Y	10,12
20,24				6,8	8,10
15,17					

ZJN3KC — GlobalFiler™ — Item 4

16.3,17.3	21,22	11	16,17	11,12	
10,12	12,13	14	15,17	11	11,13
14	13,15.2	29,30.2	15	X,Y	10,12
20,24			21,29.2	6,8	8,10
15,17	12			2	

YSTR Amplification Kit(s) & Results

TABLE 2

WebCode / Item	Amplification Kit								
	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	Y GATA H4

Item 1 - YSTR Results

WebCode / Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / Y GATA H4
33Q2XP	Yfiler™								
		NA	NA	NA	NA	NA	NA	NA	NA
1	NA	NA	NA	NA		NA	NA		
							NA		NA
FBXRPM	Yfiler™								
1									
PBN66C	Yfiler™								
1									
QBHBXB	Yfiler™								
1									
TYGW6B	Yfiler™ Plus								
1									
W3RGRF	Yfiler™ Plus								
1									
WKNBAR	Yfiler™								
		ND	ND	ND	ND	ND	ND	ND	ND
1	ND	ND	ND	ND		ND	ND		
							ND		ND

TABLE 2

WebCode / Item	Amplification Kit								
	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / Y GATA H4

Item 2 - YSTR Results

WebCode / Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / Y GATA H4
2JH8EB Yfiler™ Plus	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
2LMXJ7 PowerPlex® Y 23		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		23
		12	13	18	20		21	12	12
33NYW4 Yfiler™ Plus	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
33Q2XP Yfiler™		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		
						21			12
3B6FQY Yfiler™		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		
						21			12
3BH8FA Yfiler™ Plus	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
3CA6P2 PowerPlex® Y 23		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		23
		12	13	18	20		21	12	12
3R6MJ7 PowerPlex® Y 23		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		23
		12	13	18	20		21	12	12
3WHZAZ PowerPlex® Y 23		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		23
		12	13	18	20		21	12	12
42AUX7 PowerPlex® Y 23		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		23
		12	13	18	20		21	12	12
482694 PowerPlex® Y 23		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		23
		12	13	18	20		21	12	12
4GPXHF Yfiler™ Plus	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12

TABLE 2

WebCode / Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / Y GATA H4

Amplification Kit

Item 2 - YSTR Results

Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / Y GATA H4
6BTVPZ PowerPlex® Y 23									
		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		23
	12	13	18	20			21	12	12
6NYEE2 Yfiler™ Plus									
	36,36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
6Q8WPW Yfiler™									
		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		
							21		12
6XAFZ2 Yfiler™ Plus									
	36,36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
72HT4Y PowerPlex® Y 23									
		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		23
	12	13	18	20			21	12	12
7BQTTM Yfiler™									
		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		
							21		12
7GEDXN Yfiler™									
		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		
							21		12
7GWLMH Yfiler™ Plus									
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
7Q22JV Yfiler™									
		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		
							21		12
8B7EXH Yfiler™ Plus									
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
8ZNHL6 Yfiler™ Plus									
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
99UP26 Yfiler™ Plus									
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12

TABLE 2

WebCode / Item	Amplification Kit								
	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	Y GATA H4

Item 2 - YSTR Results

Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / Y GATA H4
9A9HTL — Yfiler™									
		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		
							21		12
9T7CPX — Yfiler™ Plus									
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
9TJDKR — Yfiler™									
		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		
							21		12
9TLTJQ — Yfiler™									
		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		
							21		12
9ZXG8K — Yfiler™									
		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		
							21		12
A2UP23 — Yfiler™ Plus									
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
AHV2HD — Yfiler™									
		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		
							21		12
AJPPZA — Yfiler™ Plus									
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
BHQ4NU									
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
BJPEXW — Yfiler™ Plus									
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
BMNQTW — Yfiler™ Plus									
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
BTTW4T — Yfiler™ Plus									
	36,36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12

TABLE 2

WebCode / Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / Y GATA H4

Item 2 - YSTR Results

CP66LH — PowerPlex® Y 23 — Item 2

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
row1		14	17,18	12	29	24	10	11	14
row2	14	10	10	20		15	16		23
row3		12	13	18	20		21	12	12

DKA6XR — Yfiler™ Plus — Item 2

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
row1	36	14	17,18	12	29	24	10	11	14
row2	14	10	10	20	35	15	16	11	23
row3	38	12		18	20	21	21		12

DYBCZH — Yfiler™ — Item 2

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
row1		14	17,18	12	29	24	10	11	14
row2	14	10	10	20		15	16		
row3							21		12

EWZDVK — Yfiler™ — Item 2

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
row1		14	17,18	12	29	24	10	11	14
row2	14	10	10	20		15	16		
row3							21		12

F9BN7B — PowerPlex® Y 23 — Item 2

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
row1		14	17,18	12	29	24	10	11	14
row2	14	10	10	20		15	16		23
row3		12	13	18	20		21	12	12

FAJVBN — Item 2

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
row1		14	17,18	12	29	24	10	11	14
row2	14	10	10	20		15	16		23
row3		12	13	18	20		21	12	12

FBXRPM — Yfiler™ — Item 2

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
row1		14	17,18	12	29	24	10	11	14
row2	14	10	10	20		15	16		
row3							21		12

FJRVWP — PowerPlex® Y 23 — Item 2

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
row1		14	17,18	12	29	24	10	11	14
row2	14	10	10	20		15	16		23
row3		12	13	18	20		21	12	12

FLV39A — Yfiler™ Plus — Item 2

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
row1	36	14	17,18	12	29	24	10	11	14
row2	14	10	10	20	35	15	16	11	23
row3	38	12		18	20	21	21		12

GTU8DY — Yfiler™ Plus — Item 2

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
row1	36	14	17,18	12	29	24	10	11	14
row2	14	10	10	20	35	15	16	11	23
row3	38	12	N/A	18	20	21	21	N/A	12

H7VT8T — Yfiler™ Plus — Item 2

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
row1	36	14	17,18	12	29	24	10	11	14
row2	14	10	10	20	35	15	16	11	23
row3	38	12		18	20	21	21		12

HH9QDH — Yfiler™ — Item 2

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
row1		14	17,18	12	29	24	10	11	14
row2	14	10	10	20		15	16		
row3							21		12

TABLE 2

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 2 - YSTR Results

HJJ6RX	Yfiler™ Plus								
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
HRBHRX	Yfiler™ Plus								
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
HXK8KK	Yfiler™								
		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		
							21		12
J9YF9J	PowerPlex® Y 23								
		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		23
		12	13	18	20		21	12	12
JXG2GV	Yfiler™ Plus								
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
KL34W7	Yfiler™ Plus								
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
L2T4M7	Yfiler™ Plus								
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
LG4ATF	Yfiler™								
		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		
							21		12
M8TZQ3	Yfiler™								
		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		
							21		12
MM6K88	Yfiler™ Plus								
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
MVHY2G	PowerPlex® Y 23								
		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		23
		12	13	18	20		21	12	12
N3HBNK	Yfiler™ Plus								
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12

TABLE 2

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 2 - YSTR Results

NE7D4R — Yfiler™ Plus

	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12

NGJDEL — PowerPlex® Y 23

		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		23
		12	13	18	20		21	12	12

PAVG24 — Yfiler™ Plus

	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12

PBN66C — Yfiler™

		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		
						21			12

PMXB97 — PowerPlex® Y 23

		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		23
		12	13	18	20		21	12	12

QBHBXB — Yfiler™

		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		
						21			12

QJXP6M — Yfiler™ Plus

	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12

QLH7A9 — PowerPlex® Y 23

		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		23
		12	13	18	20		21	12	12

QVANQ2 — Yfiler™ Plus

	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12

RGN26M — Yfiler™ Plus

	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12

RLG4B9 — Yfiler™

		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		
						21			12

RTD3J9 — PowerPlex® Y 23

		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		23
		12	13	18	20		21	12	12

TABLE 2

WebCode / Item	**Amplification Kit**								
	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	Y GATA H4

Item 2 - YSTR Results

WebCode / Item									
T33HWY	Yfiler™ Plus								
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
T73UTY	Yfiler™ Plus								
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
TCLHHF	Yfiler™								
		14	17,18	12	29	24	10	11	14
2		14	10	10	20		15	16	
						21			12
TNFY8G	PowerPlex® Y 23								
		14	17,18	12	29	24	10	11	14
2		14	10	10	20		15	16	23
		12	13	18	20		21	12	12
TYGW6B	Yfiler™ Plus								
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
UBRGRH	Yfiler™ Plus								
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
UDZBUA	PowerPlex® Y 23								
		14	17,18	12	29	24	10	11	14
2		14	10	10	20		15	16	23
		12	13	18	20		21	12	12
UYY8FP	Yfiler™ Plus								
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
V4MAWU	Yfiler™ Plus								
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
VQXXDA	Yfiler™ Plus								
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
W3RGRF	Yfiler™ Plus								
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
WKNBAR	Yfiler™								
		14	17,18	12	29	24	10	11	14
2		14	10	10	20		15	16	
						21			12

TABLE 2

WebCode / Item	Amplification Kit								
	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	Y GATA H4

Item 2 - YSTR Results

WebCode / Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / Y GATA H4
X3JLBZ PowerPlex® Y 23		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		23
		12	13	18	20		21	12	12
X3ZHYU Yfiler™ Plus	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
X4HY98 Yfiler™ Plus	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
XKK7CV Yfiler™ Plus	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
XMN4GV Yfiler™ Plus	36,36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
Y8VTAJ Yfiler™ Plus	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
YLCQEK Yfiler™ Plus	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
YNYTBD Yfiler™ Plus	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
YV2CKH Yfiler™ Plus	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
YX8XA4 PowerPlex® Y 23		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		23
		12	13	18	20		21	12	12
Z8PX4J Yfiler™ Plus	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12
Z96XPT Yfiler™		14	17,18	12	29	24	10	11	14
2	14	10	10	20		15	16		
							21		12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 2 - YSTR Results

ZJN3KC	Yfiler™ Plus								
	36	14	17,18	12	29	24	10	11	14
2	14	10	10	20	35	15	16	11	23
	38	12		18	20	21	21		12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 3 - YSTR Results

2LMXJ7 — PowerPlex® Y 23

Item									
		NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR		NR	NR		NR
	NR	NR	NR	NR		NR	NR	NR	NR

33Q2XP — Yfiler™

Item									
		NA	NA	NA	NA	NA	NA	NA	NA
3	NA	NA	NA	NA		NA	NA		
							NA		NA

482694 — PowerPlex® Y 23

Item									
		NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR		NR	NR		NR
	NR	NR	NR	NR		NR	NR	NR	NR

8B7EXH — Yfiler™ Plus

Item									
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR

AHV2HD — Yfiler™

Item									
		NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR		NR	NR		
							NR		NR

FBXRPM — Yfiler™

Item									
3									

FLV39A — Yfiler™ Plus

Item									
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR

KL34W7 — Yfiler™ Plus

Item									
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR

L2T4M7 — Yfiler™ Plus

Item									
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR

PBN66C — Yfiler™

Item									
3									

QBHBXB — Yfiler™

Item									
3									

QVANQ2 — Yfiler™ Plus

Item									
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR

TABLE 2

WebCode	Amplification Kit							
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 3 - YSTR Results

T33HWY	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR

T73UTY	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR

TYGW6B	Yfiler™ Plus								
3									

V4MAWU	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR

WKNBAR	Yfiler™								
		ND	ND	ND	ND	ND	ND	ND	ND
3	ND	ND	ND	ND		ND	ND		
						ND			ND

X3ZHYU	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR

XKK7CV	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR

TABLE 2

WebCode / Item	Amplification Kit								
	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	Y GATA H4

Item 4 - YSTR Results

WebCode / Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / Y GATA H4
2JH8EB — Yfiler™ Plus	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
2LMXJ7 — PowerPlex® Y 23		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
		12	12	20	19		23	11	12
33NYW4 — Yfiler™ Plus	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
33Q2XP — Yfiler™		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
3B6FQY — Yfiler™		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
3CA6P2 — PowerPlex® Y 23		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
		12	12	20	19		23	11	12
3R6MJ7 — PowerPlex® Y 23		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
		12	12	20	19		23	11	12
3WHZAZ — PowerPlex® Y 23		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
		12	12	20	19		23	11	12
42AUX7 — PowerPlex® Y 23		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
		12	12	20	19		23	11	12
482694 — PowerPlex® Y 23		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
		12	12	20	19		23	11	12
4YKZ7Q — Yfiler™ Plus	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
6BTVPZ — PowerPlex® Y 23		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
		12	12	20	19		23	11	12

TABLE 2

WebCode / Item	Amplification Kit								
	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	Y GATA H4

Item 4 - YSTR Results

Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / Y GATA H4
6NYEE2 Yfiler™ Plus	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
6Q8WPW Yfiler™		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
6XAFZ2 Yfiler™ Plus	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
72HT4Y PowerPlex® Y 23		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
		12	12	20	19		23	11	12
7BQTTM Yfiler™		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
7GEDXN Yfiler™		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
7GWLMH PowerPlex® Y 23		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
		12	12	20	19		23	11	12
7Q22JV Yfiler™		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
8B7EXH Yfiler™ Plus	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
8ZNHL6 Yfiler™ Plus	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
99UP26 Yfiler™ Plus	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
9A9HTL Yfiler™		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12

TABLE 2

WebCode / Item	DYF387S1 DYS437 DYS518	DYS19 DYS438 DYS533	DYS385 DYS439 DYS549	DYS389-I DYS448 DYS570	DYS389-II DYS449 DYS576	DYS390 DYS456 DYS627	DYS391 DYS458 DYS635	DYS392 DYS460 DYS643	DYS393 DYS481 Y GATA H4

Amplification Kit

Item 4 - YSTR Results

WebCode / Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / Y GATA H4
9T7CPX — Yfiler™ Plus									
	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
9TLTJQ — Yfiler™									
		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
9ZXG8K — Yfiler™									
		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
AHV2HD — Yfiler™									
		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
BHQ4NU									
	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
BJPEXW — Yfiler™ Plus									
	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
BMNQTW — Yfiler™ Plus									
	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
BTTW4T — Yfiler™ Plus									
	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
CP66LH — PowerPlex® Y 23									
		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
		12	12	20	19		23	11	12
CQLTXN — Yfiler™									
		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
DKA6XR — Yfiler™ Plus									
	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
DYBCZH — Yfiler™ Plus									
	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	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**	**Y GATA H4**

Item 4 - YSTR Results

	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / Y GATA H4
EWZDVK Yfiler™		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
F9BN7B PowerPlex® Y 23		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
		12	12	20	19		23	11	12
FAJVBN		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
		12	12	20	19		23	11	12
FBXRPM Yfiler™		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
FC9RPM Yfiler™		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
FJRVWP PowerPlex® Y 23		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
		12	12	20	19		23	11	12
FLV39A Yfiler™ Plus	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
HH9QDH Yfiler™		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
HXK8KK Yfiler™		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
J9YF9J PowerPlex® Y 23		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
		12	12	20	19		23	11	12
JGWBJG Yfiler™		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
JXG2GV Yfiler™ Plus	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12

TABLE 2

WebCode / Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Amplification Kit	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 4 - YSTR Results

Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / Y GATA H4
KL34W7 Yfiler™ Plus									
	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
L2T4M7 Yfiler™ Plus									
	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
LG4ATF Yfiler™									
		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
							23		12
M8TZQ3 Yfiler™									
		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
MM6K88 Yfiler™ Plus									
	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
MVHY2G PowerPlex® Y 23									
		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
	12	12	20	19			23	11	12
N3HBNK Yfiler™ Plus									
	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
NGJDEL PowerPlex® Y 23									
		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
	12	12	20	19			23	11	12
PBN66C Yfiler™									
		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
PMXB97 PowerPlex® Y 23									
		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
	12	12	20	19			23	11	12
QBHBXB Yfiler™									
		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
QJXP6M Yfiler™ Plus									
	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12

TABLE 2

WebCode	**Amplification Kit**							
	DYF387S1	**DYS19**	**DYS385**	**DYS389-I**	**DYS389-II**	**DYS390**	**DYS391**	**DYS392**	**DYS393**
Item	**DYS437**	**DYS438**	**DYS439**	**DYS448**	**DYS449**	**DYS456**	**DYS458**	**DYS460**	**DYS481**
	DYS518	**DYS533**	**DYS549**	**DYS570**	**DYS576**	**DYS627**	**DYS635**	**DYS643**	**Y GATA H4**

Item 4 - YSTR Results

WebCode / Item									
QLH7A9	PowerPlex® Y 23								
		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
		12	12	20	19		23	11	12
QRRWQD	Yfiler™								
		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
QVANQ2	Yfiler™ Plus								
	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
RGN26M	Yfiler™ Plus								
	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
RLG4B9	Yfiler™								
		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
RTD3J9	PowerPlex® Y 23								
		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
		12	12	20	19		23	11	12
T33HWY	Yfiler™ Plus								
	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
T73UTY	Yfiler™ Plus								
	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
TCLHHF	Yfiler™								
		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		
							23		12
TNFY8G	PowerPlex® Y 23								
		14	14,15	12	29	24	12	13	14
4	15	12	12	20		16	17		23
		12	12	20	19		23	11	12
TYGW6B	Yfiler™ Plus								
	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12
UBRGRH	Yfiler™ Plus								
	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		12

TABLE 2

WebCode / Item	**Amplification Kit**								
	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	Y GATA H4

Item 4 - YSTR Results

UDZBUA — PowerPlex® Y 23 — Item 4

DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
	14	14,15	12	29	24	12	13	14
15	12	12	20		16	17		23
	12	12	20	19		23	11	12

V4MAWU — Yfiler™ Plus — Item 4

DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
35,36	14	14,15	12	29	24	12	13	14
15	12	12	20	29	16	17	11	23
38	12		20	19	21	23		12

VQXXDA — Yfiler™ Plus — Item 4

DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
35,36	14	14,15	12	29	24	12	13	14
15	12	12	20	29	16	17	11	23
38	12		20	19	21	23		12

WKNBAR — Yfiler™ — Item 4

DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
	14	14,15	12	29	24	12	13	14
15	12	12	20		16	17		
						23		12

X3JLBZ — PowerPlex® Y 23 — Item 4

DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
	14	14,15	12	29	24	12	13	14
15	12	12	20		16	17		23
	12	12	20	19		23	11	12

X3ZHYU — Yfiler™ Plus — Item 4

DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
35,36	14	14,15	12	29	24	12	13	14
15	12	12	20	29	16	17	11	23
38	12		20	19	21	23		12

X4HY98 — Yfiler™ Plus — Item 4

DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
35,36	14	14,15	12	29	24	12	13	14
15	12	12	20	29	16	17	11	23
38	12		20	19	21	23		12

XKK7CV — Yfiler™ Plus — Item 4

DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
35,36	14	14,15	12	29	24	12	13	14
15	12	12	20	29	16	17	11	23
38	12		20	19	21	23		12

XMN4GV — Yfiler™ Plus — Item 4

DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
35,36	14	14,15	12	29	24	12	13	14
15	12	12	20	29	16	17	11	23
38	12		20	19	21	23		12

YX8XA4 — PowerPlex® Y 23 — Item 4

DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
	14	14,15	12	29	24	12	13	14
15	12	12	20		16	17		23
	12	12	20	19		23	11	12

YZRCR4 — Yfiler™ — Item 4

DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
	14	14,15	12	29	24	12	13	14
15	12	12	20		16	17		
						23		12

Z96XPT — Yfiler™ — Item 4

DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/Y GATA H4
	14	14,15	12	29	24	12	13	14
15	12	12	20		16	17		
						23		12

TABLE 2

WebCode	Amplification Kit								
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4

Item 4 - YSTR Results

ZJN3KC	Yfiler™ Plus								
	35,36	14	14,15	12	29	24	12	13	14
4	15	12	12	20	29	16	17	11	23
	38	12		20	19	21	23		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
AM	LMC7MC								
D10S2325	TYGW6B	9,12	12,13	9,12			10,12		
D11S2368	TYGW6B	17,19	18,23	17,19			18,21		
D13S325	TYGW6B	19,22	15,19	19,22			19,20		
D14S1434	TYGW6B	13,14	10,14	13,14			14,14		
D15S659	TYGW6B	9,12	12,12	9,12			11,12		
D17S1301	TYGW6B	12,13	12,13	12,13			11,14		
D18S1364	TYGW6B	12,18	15,16	12,18			13,15		
D19S253	TYGW6B	9,12	7,12	9,12			7,12		
D20S482	TYGW6B	12,14	13,14	12,14			14,15		
D21S2055	TYGW6B	32,34	16.1,25	32,34			16.1,33		
D22-GATA198B05	TYGW6B	16,17	19,20	16,17			21,21		
D2S1360	TYGW6B	22,23	22,25	22,23			21,22		
D3S1744	TYGW6B	17,17	15,17	17,17			14,14		
D4S2366	TYGW6B	10,12	9,13	10,12			13,14		
D5S2500	TYGW6B	12,16	11,11	12,16			13,17		
D5S2800	TYGW6B	18,24	17,18	18,24			14,24		
D6S474	TYGW6B	15,15	14,17	15,15			15,16		
D7S1517	TYGW6B	21,24	25,25	21,24			20,21		
D7S3048	TYGW6B	21,22	17,20	21,22			19,24		
D8S1132	TYGW6B	18,22	21,23	18,22			22,23		
D9S1122	TYGW6B	12,13	11,12	12,13			11,12		
F13A01	TYGW6B	5,16	3.2,16	5,16			5,7		
F13B	TYGW6B	6,9	9,10	6,9			6,9		
FESFPS	TYGW6B	10,11	11,11	10,11			10,13		
LPL	TYGW6B	9,12	10,10	9,12			11,12		

TABLE 3

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
PENTA_C	TYGW6B	7,11	11,12	7,11			10,11		
QS1	4N49LM	N/A	N/A	N/A			N/A		
	LMC7MC								
QS2	4N49LM	N/A	N/A	N/A			N/A		
	LMC7MC								

DNA Interpretations

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

TABLE 4

| WebCode | Victim (Item 1) | | Suspect (Item 2) | | WebCode | Victim (Item 1) | | Suspect (Item 2) | |
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
244CBV	Yes	No	No	No	482694	Yes	No	No	No
26FB66	Yes	No	No	No	4GPXHF	No Interpretations Reported, DNA Analyzed for Database purposes only.			
2JH8EB	Yes	No	No	No	4LZJHT	Yes	No	No	No
2LMXJ7	Yes	No	No	No	4N49LM	Yes	No	No	No
2T96DQ	Yes	No	No	No	4QDN68	Yes	No	No	No
2T9ZZ4	Yes	No	No	No	4UDZZ8	Yes	No	No	No
2UFHYY	Yes	No	No	No	4YKZ7Q	Yes	No	No	No
2WRNN2	Yes	No	No	No	68VJ6F	Yes	No	No	No
33NYW4	Yes	No	No	No	6BTVPZ	Yes	No	No	No
33Q2XP	Yes	No	No	No	6NYEE2	Yes	No	No	No
34MKVJ	Yes	No	No	No	6Q8WPW	Yes	No	No	No
3B6FQY	Yes	No	No	No	6XAFZ2	Yes	No	No	No
3BH8FA	No Interpretations Reported, DNA Analyzed for Database purposes only.				72HT4Y	Yes	No	No	No
3CA6P2	Yes	No	No	No	7BQTTM	Yes	No	No	No
3MFFAT	Yes	No	No	No	7GEDXN	Yes	No	No	No
3NA4TN	No Interpretations Reported, DNA Analyzed for Database purposes only.				7GWLMH	Yes	No	No	No
3R6MJ7	Yes	No	No	No	7Q22JV	Yes	No	No	No
3WHZAZ	Yes	No	No	No	7Q7TMR	Yes	No	No	No
3XCNTV	Yes	No	No	No	86KGAV	Yes	No	No	No
42AUX7	Yes	No	No	No	87UVPU	Yes	No	No	No

TABLE 4

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
8B7EXH	Yes	No	No	No	AU823Q	Yes	No	No	No
8EJEVA	Yes	No	No	No	AU944B	Yes	No	No	No
8L7RM3	Yes	No	No	No	B8T3A4	Yes	No	No	No
8REVYV	Yes	No	No	No	BFMBRA	Yes	No	No	No
8W9TM2	Yes	No	No	No	BHQ4NU	Yes	No	No	No
8ZNHL6	Yes	No	No	No	BJPEXW	Yes	No	No	No
99UP26	Yes	No	No	No	BMNQTW	Yes	No	No	No
9A9HTL	Yes	No	No	No	BTTW4T	Yes	No	No	No
9AP837	Yes	No	No	No	C89J4X	Yes	No	No	No
9KP9QQ	Yes	No	No	No	CP66LH	Yes	No	No	No
9T7CPX	Yes	No	No	No	CQLTV3	Yes	No	No	No
9TJDKR	Yes	No	No	No	CQLTXN				
9TLTJQ	Yes	No	No	No	CTRQD6	Yes	No	No	No
9ZXG8K	Yes	No	No	No	CWQ3A6	Yes	No	No	No
A2UP23	No Interpretations Reported, DNA Analyzed for Database purposes only.				DENMN6	No Interpretations Reported, DNA Analyzed for Database purposes only.			
A9QT3D	No Interpretations Reported, DNA Analyzed for Database purposes only.				DKA6XR	Yes	No	No	No
AFR6XB	Yes	No	No	No	DW8DPP	Yes	No	No	No
AHV2HD	Yes	No	No	No	DYBCZH	Yes	No	No	No
AJPPZA	No Interpretations Reported, DNA Analyzed for Database purposes only.				DZ4ZJD	Yes	No	No	No
AJRJJE	Yes	No	No	No	EJTBQP	Yes	No	No	No
ANLDKM	Yes	No	No	No	EJWPPQ	Yes	No	No	No

TABLE 4

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
EUCGDZ	Yes	No	No	No	HPRUKK	Yes	No	No	No
EUWXVN	Yes	No	No	No	HQMAKH	No Interpretations Reported, DNA Analyzed for Database purposes only.			
EW69NL	Yes	No	No	No	HRBHRX	No Interpretations Reported, DNA Analyzed for Database purposes only.			
EWZDVK	Yes	No	No	No	HULKFH	Yes	No	No	No
F9BN7B	Yes	No	No	No	HXK8KK	Yes	No	No	No
FAJVBN	Yes	No	No	No	J9YF9J	Yes	No	No	No
FBXRPM	No Interpretations Reported, DNA Analyzed for Database purposes only.				JAR4RE	Yes	No	No	No
FC9RPM					JGWBJG				
FJRVWP	Yes	No	No	No	JXG2GV	Yes	No	No	No
FLCEM9	Yes	No	No	No	K6XYMU	Yes	No	No	No
FLV39A	Yes	No	No	No	KFW6M3	Yes	No	No	No
GBGTCP	Yes	No	No	No	KL34W7	Yes	No	No	No
GN3BZL	Yes	No	No	No	KRM2PZ	Yes	No	No	No
GNJUVZ	Yes	No	No	No	KTHKQ2	Yes	No	No	No
GQ392L	Yes	No	No	No	KXWPDF	Yes	No	No	No
GTU8DY	No Interpretations Reported, DNA Analyzed for Database purposes only.				L2T4M7	Yes	No	No	No
H3WKCD	Yes	No	No	No	L9QQJC	No Interpretations Reported, DNA Analyzed for Database purposes only.			
H7VT8T	No Interpretations Reported, DNA Analyzed for Database purposes only.				LDZB33	Yes	No	No	No
HH9QDH	Yes	No	No	No	LG4ATF	Yes	No	No	No
HHR7FK	Yes	No	No	No	LHFG4J	Yes	No	No	No
HJJ6RX	No Interpretations Reported, DNA Analyzed for Database purposes only.				LMC7MC	Yes	No	No	No

TABLE 4

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
LWYWTG	Yes	No	No	No	QLH7A9	Yes	No	No	No
M8TZQ3	Yes	No	No	No	QRRWQD				
MHALXH	Yes	No	No	No	QVANQ2	Yes	No	No	No
MM6K88	Yes	No	No	No	QW4EUV	Yes	No	No	No
MVHY2G	Yes	No	No	No	R3L6UV	No Interpretations Reported, DNA Analyzed for Database purposes only.			
N3HBNK	Yes	No	No	No	R4GMVW	Yes	No	No	No
NE7D4R	No Interpretations Reported, DNA Analyzed for Database purposes only.				RA3JW2	Yes	No	No	No
NGJDEL	Yes	No	No	No	RDMZ36	Yes	No	No	No
NRDNNE	Yes	No	No	No	REXCU3	Yes	No	No	No
NTTBXF	Yes	No	No	No	RGN26M	Yes	No	No	No
NWM8KL	Yes	No	No	No	RLG4B9	Yes	No	No	No
P3BGJ6	Yes	No	No	No	RLJTDK	No Interpretations Reported, DNA Analyzed for Database purposes only.			
PAVG24	No Interpretations Reported, DNA Analyzed for Database purposes only.				RN4C6P	Yes	No	No	No
PBN66C	No Interpretations Reported, DNA Analyzed for Database purposes only.				RTD3J9	Yes	No	No	No
PJXYC7	Yes	No	No	No	T2NANX	Yes	No	No	No
PMXB97	Yes	No	No	No	T33HWY	Yes	No	No	No
PYUNFB	No Interpretations Reported, DNA Analyzed for Database purposes only.				T73UTY	Yes	No	No	No
Q4NDPA	Yes	No	No	No	TCLHHF	Yes	No	No	No
Q7PJ2U	Yes	No	No	No	TNFY8G	Yes	No	No	No
QBHBXB	No Interpretations Reported, DNA Analyzed for Database purposes only.				TRYNFE	Yes	No	No	No
QJXP6M	Yes	No	No	No	TTB39U	No Interpretations Reported, DNA Analyzed for Database purposes only.			

TABLE 4

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
TUL6UT	Yes	No	No	No	W3RGRF	No Interpretations Reported, DNA Analyzed for Database purposes only.			
TXACHW	Yes	No	No	No	WA7UJ7	Yes	No	No	No
TYGW6B	Yes	No	No	No	WBZHXV	Yes	No	No	No
TYZ8R4	Yes	No	No	No	WEJUGX	Yes	No	No	No
U9L4JB	Yes	No	No	No	WFDHYT	Yes	No	No	No
UBRGRH	Yes	No	No	No	WGPZER	Yes	No	No	No
UDZBUA	Yes	No	No	No	WKNBAR	No Interp	No Interp	No Interp	No
UGWVW8	Yes	No	No	No	WMUXMW	Yes	No	No	No
UJZFCZ	Yes	No	No	No	X2TRK4	No Interpretations Reported, DNA Analyzed for Database purposes only.			
UK2L69	Yes	No	No	No	X36YWR	Yes	No	No	No
ULB39T	Yes	No	No	No	X3JLBZ	Yes	No	No	No
UNUEQV	Yes	No	No	No	X3ZHYU	Yes	No	No	No
UX6JXU	Yes	No	No	No	X4HY98	Yes	No	No	No
UYY8FP	No Interpretations Reported, DNA Analyzed for Database purposes only.				X68ZYB	Yes	No	No	No
V4MAWU	Yes	No	No	No	XKK7CV	Yes	No	No	No
V9YK69	Yes	No	No	No	XMN4GV	Yes	No	No	No
VAAU82	Yes	No	No	No	XZZAUJ	Yes	No	No	No
VBPDQY	Yes	No	No	No	Y626QN	Yes	No	No	No
VMH3KD	Yes	No	No	No	Y8VTAJ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
VQXXDA	Yes	No	No	No	YALVGT	Yes	No	No	No
VRTQMV	Yes	No	No	No	YC7CLC	Yes	No	No	No

TABLE 4

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
YDKBPG	Yes	No	No	No					
YK3GN9	Yes	No	No	No					
YLCQEK	No Interpretations Reported, DNA Analyzed for Database purposes only.								
YNYTBD	No Interpretations Reported, DNA Analyzed for Database purposes only.								
YTUWBR	Yes	No	No	No					
YV2CKH	No Interpretations Reported, DNA Analyzed for Database purposes only.								
YX8XA4	Yes	No	No	No					
YZRCR4	No Interp	No Interp	No Interp	No Interp					
Z63P93	Yes	No	No	No					
Z8PX4J	No Interpretations Reported, DNA Analyzed for Database purposes only.								
Z96XPT	Yes	No	No	No					
ZJN3KC	Yes	No	No	No					

DNA Interpretation

Response Summary   Participants reporting DNA results: 220

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

	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4
Yes	**184**	**0**	**0**	**0**
No	**0**	**184**	**184**	**185**
Inc	**0**	**0**	**0**	**0**
No Interpretation	**3**	**3**	**3**	**2**
No Response	**4**	**4**	**4**	**4**

Participants analyzing DNA for database purposes only: 30

Additional Comments

TABLE 5

WebCode	Additional Comments
26FB66	Blank spaces in the STR results indicate that no results were obtained at that locus.
2LMXJ7	In genotype data entry, "NR" stands for "No Result" at that locus (i.e. it was amplified but no alleles were detected). The extract from Items 3 and 4 were tested for the presence of human blood using the ABAcard HemaTrace test. Human blood was detected on Items 3 and 4. NOTE: the HemaTrace test is known to cross-react with some species of the Mustelidae family and with higher primates. All samples were run on BOTH: 3130 genetic analyzer and analyzed with GeneMarker-HID. 3500 genetic analyzer and analyzed with GeneMapper ID-X.
3B6FQY	NR = no result -[Initials] 10/04/2021
3NA4TN	The following loci for Item #2 (suspect Reference sample) were reported as inconclusive following our standard operating procedure because they did not meet our stochastic threshold: D3S1358, D1S1656, D2S441, D7S820, D5S818, TPOX, D8S1179, D19S433, FGA.
3R6MJ7	Items 3 and 4 were tested for the presence of human blood using the HemaTrace test. Testing for the presence of human blood is performed with the ABAcard HemaTrace test kit. All samples were run on an ABI 3130 and ABI 3500. The alleles calls on both instruments were the same. NR = No Results
42AUX7	NT = not tested. Item 1 was also amplified using Fusion Casework Direct. All samples were run on the 3130 and 3500. Items 3 and 4 were tested for the presence of human blood using the Hematrace kit. These were positive.
482694	Items 3 and 4 tested positive for the presence of human blood using the HemaTrace test. Item 1 was not extracted, but directly amplified and run on 3130/3500. Items 2, 3 and 4 were run on both the 3130 and 3500. NR= no result. ND= not detected.
6Q8WPW	NR=No Results
7BQTTM	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIASymphony extraction method. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification Kit on ABI Quantstudio 5 Real-Time PCR System. Amplication: Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for item 1 and Item 2 (GlobalFiler Express Kit), Item 3 and Item 4 (GlobalFiler kit). Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2 and Item 4 (Y-Filer kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM: Non-male allele.
7GEDXN	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using TECAN FREEDOM EVO 150 extraction method. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1 and Item 2 (GlobalFiler Express Kit), Item 3 and Item 4 (GlobalFiler Kit). Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM: Non-male allele.
7Q22JV	NR = No Results
8B7EXH	Note: 1) Results were based on the analysis from Genemapper ID-X. 2) STRmix analysis was performed on ITEM4. 3) NR = No Results.

TABLE 5

WebCode	Additional Comments
8EJEVA	A differential separation was performed on items 3 and 4. The sperm fraction was stopped due to insufficient DNA. The non-sperm fraction was reported.
9A9HTL	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using Investigator kit and purified with the 500 Adv HE protocol on QIAsymphony automation platform. Quantification: Item 3 and Item 4 were quantitated using Quantifiler Trio DNA Quantification kit on QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified on ProFlex PCR System using GlobalFiler Express PCR Amplification kit. Item 3 and Item 4 were amplified on GeneAmp PCR System 9700 using GlobalFiler PCR Amplification kit. Item 2 were amplified on GeneAmp PCR System 9700 using AmpFLSTR Y-Filer PCR Amplification kit. Item 4 were amplified on GeneAmp PCR System 9700 using AmpFLSTR Y-Filer PCR Amplification kit. Electrophoresis: Item 1, Item 2, Item 3 and Item 4 (GlobalFiler Express and GlobalFiler) while Item 2 and Item 4 (Y-STR) were run on ABI 3500xL Genetic Analyzer. Quality Control: Reagent blank, positive control and negative control were conducted throughout the analysis and given satisfactory results. Notes: NM represent Non-male profile.
9TLTJQ	NR = No Result [Initials] 10/22/2021
9ZXG8K	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIASymphony extraction method. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1 and Item 2 (GlobalFiler Express Kit), Item 3 and Item 4 (GlobalFiler Kit). Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM: Non-male allele.
AHV2HD	Y-STR analysis for item 3 are "NR" or no results. Quantifiler Trio results gave a very low T.Y value of 0.4 picograms per microliter which is why Y-STR analysis was performed.
BTTW4T	STRmix analysis was performed on the DNA profile obtained from the questioned stain on item 4 as the DNA profile did not match either the victim or suspect. This is standard practice to compare unknown DNA profiles to our Quality Assurance Register.
CQLTXN	No comparisons performed. -[Initials] 10/25/2021
EWZDVK	NR = No Results
FAJVBN	mRMP Item 1 = Item 3 = 2.1E+36. mRMP Item 2 = 1.1E+31. mRMP Item 4 = 1.3E+31.
FC9RPM	NR= No Result. No comparisons performed. -[Initials] 10/19/2021
FJRVWP	ND - No Data. These samples run on both 3130 and 3500 Genetic Analyzer instrumentation.
FLV39A	NR = No Results; STRmix analysis was conducted on this test. Data reported for this test is from analysis using GeneMapper ID-X.
HH9QDH	NR = No Result
HXK8KK	NR = no result. [Initials] 10/21/2021. Item 4: additional peak in Y-STR profile at DYS456, (13), cannot be differentiated from artifact. [Initials] 10/21/2021
JGWBJG	No comparisons performed. -[Initials] 10/13/2021
KL34W7	All data originated from analysis using GeneMapper-IDX. In addition, Item 3 was analyzed using STRmix software. NR=No Results.

TABLE 5

WebCode	Additional Comments
L2T4M7	NR=no results. STRmix analysis performed on Item 3 with comparisons to Item 1 & Item 2. Data reported is from analysis in Genemapper ID-X.
LG4ATF	NR = No Result
M8TZQ3	1. Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using Chelex extraction method. 2. Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification Kit on the Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 System. 3. Item 1 and Item 2 were amplified using AmpFLSTR Identifiler Direct PCR Amplification Kit while Item 3 and Item 4 were amplified using AmpFLSTR Identifiler Plus PCR Amplification Kit on 9700 GeneAmp PCR System. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 2 and Item 4 using AmpFLSTR Y-filer PCR Amplification kit on the 9700 GeneAmp PCR System. 4. Electrophoresis was carried out on the Applied Biosystems 3500xl Genetic Analyser with GeneMapper ID-X Software for Item 1, Item 2, Item 3 and Item 4. 5. Reagent blank, positive control and negative control were analysed throughout the analysis and all gave the intended results.
NGJDEL	NR= No Result, Samples run on ABI 3130 and 3500.
PAVG24	NR = No Results
QRRWQD	No comparisons performed. [Initials] 10/25/2021. NR = No Results. [Initials] 10/25/2021.
QVANQ2	NR defined as No Results. STRmix analysis conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
RLG4B9	NR= No result
RN4C6P	Both questioned stains in items 3 and 4 tested positive for blood using Leucomalachite green (LM) test.
T33HWY	NR = no results. STRmix analysis conducted on Item 3. All reported data from GeneMapper IDX analysis.
T73UTY	NR indicates no results at that locus. STRmix analysis was conducted on Item 3 in this test. Data reported out in this test is from analysis using GeneMapper ID-X.
TCLHHF	NR = No result - [Initials] 10/27/2021
TNFY8G	Samples run on the 3130 and 3500 genetic analyzers. NR=no result. Portions of the extracts from Items 3 and 4 were tested for the presence of human blood using the HemaTrace test. Human blood was detected in these items. NOTE: The ABACard HemaTrace test kit is known to cross-react with some species of the Mustelidae family and with higher primates.
V4MAWU	NR=No Results. STRmix analysis was performed on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
WEJUGX	Two pieces of cloth were received within the envelope labeled in part "Item 4". One ~0.5*0.5cm cutting was taken from each piece of the cloth and the same DNA profile was obtained from both of these cuttings.
X3ZHYU	NR = No results. All data reported is from analysis using Genemapper-IDX. Item 4 was also analyzed using the STRmix software.
XKK7CV	STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GeneMapper ID-X. NR = no results.
XMN4GV	NR = No Results
YZRCR4	No Comparisons Performed. 10/19/2021 [Initials]. NR= No Results 10/19/2021 [Initials].
Z63P93	These samples were run utilizing Rapid DNA analysis with the ANDE 6C instrumentation and FlexPlex27 chemistry.

TABLE 5

WebCode	Additional Comments
Z96XPT	Extraction: In-situ extraction method was used to extract DNA from Item 1 and Item 2. Automate Express DNA extraction method was used to extract DNA from Item 3 and Item 4. Quantification: DNA quantitation for Item 3 and Item 4 were carried out using the Quantifiler Human DNA Quantification kit with Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 system. Amplification: Amplification of STR (Short Tandem Repeat) genetic loci for Item 1 and Item 2 were carried out using the AmpFISTR Identifiler Direct Amplification Kit and Item 3 and Item 4 were amplified using the AmpFISTR Identifiler Plus PCR Amplification Kit. Amplification of Y-STR (Y-Short Tandem Repeat) genetic loci for Item 2 and Item 4 were carried out using the AmpFISTR Y-filer PCR Amplification kit. Electrophoresis: Capillary electrophoresis for Item 1,2,3 and 4 were carried out using the Applied Biosystems 3500xl Genetic Analyzer with GeneMapper ID-X Software. Quality Control: Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results.

-End of Report-
(Appendix may follow)

Test No. 21-5805: DNA-Blood

DATA MUST BE SUBMITTED BY **Nov. 8, 2021, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A   WebCode: GDG44H

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:

A local police department is investigating a physical assault reported by a female victim. The victim reports that she met the male suspect at a party last night when she bought drugs from him. The victim and the suspect were drinking and smoking together when they began arguing about money. The suspect hit the victim several times in the face while the victim tried to defend herself by kicking the suspect. Police were able to locate the suspect based on a detailed description from the victim. Police are submitting to the laboratory a cutting from the victim's shirt worn to the party (Item 3) as well as a cutting from the jacket worn by the suspect (Item 4). Screening tests have already been performed on the items with the following results: Item 3 (victim's shirt) and Item 4 (suspect's jacket) are both positive for blood. Also collected were known blood samples from the female victim (Item 1) and the male suspect (Item 2).

Items Submitted (Sample Pack S5):

Item 1: Known blood from female victim
Item 2: Known blood from male suspect
Item 3: Questioned blood stain from victim's shirt (pink)
Item 4: Questioned blood stain from suspect's jacket (off-white)

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 [ ].

<u>STR Amplification Kit(s) Used:</u>   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						

<u>YSTR Amplification Kit(s) Used:</u>   Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. Plus, 23, etc.).

☐ YFiler™ [＿＿＿]   ☐ PowerPlex® Y [＿＿＿]   Other [＿＿＿]

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

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
1									
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
1									
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
1									

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

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

<u>STR Amplification Kit(s) Used:</u> Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. 16, Plus, Direct, HS, Fusion, etc.).

☐ Identifiler®   ☐ GlobalFiler™   ☐ Investigator® 24plex

☐ PowerPlex®   Other

Report the Probabilistic Genotyping Software Used (if applicable):

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

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

<u>YSTR Amplification Kit(s) Used:</u> Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. Plus, 23, etc.).

☐ YFiler™   ☐ PowerPlex® Y   Other

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

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
2									
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
2									
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
2									

Part I (continued): DNA Results for Questioned Item 3

- 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
3						
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
3						
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
3						
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
3						
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
3						

YSTR 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. Plus, 23, etc.).

☐ YFiler™   ☐ PowerPlex® Y   Other

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

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3									
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
3									
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
3									

Part I (continued): DNA Results for Questioned Item 4

- 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 [ ].

<u>STR Amplification Kit(s) Used:</u>   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
4						
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
4						
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
4						
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
4						
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
4						

<u>YSTR Amplification Kit(s) Used:</u>   Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. Plus, 23, etc.).

☐ YFiler™   ☐ PowerPlex® Y   Other

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

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4									
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
4									
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
4									

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)?

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

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

Part III: ADDITIONAL COMMENTS

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

Please note: Any additional formatting applied in the free form space below will not transfer to the Summary Report and may cause your information to be illegible. This includes additional spacing and returns that present your responses in lists and tabular formats.

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 ASCLD/LAB, 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 ASCLD/LAB, ANAB, and/or A2LA. (Accreditation Release section below must be completed.)

○ This participant's data is **not** intended for submission to ASCLD/LAB, 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.
(Include ASCLD/LAB Certificate here)

A2LA Certificate No.

Step 2: Complete the Laboratory Identifying Information in its entirety

Authorized Contact Person and Title

Laboratory Name

Location (City/State)