Collaborative Testing Services, Inc

FORENSIC TESTING PROGRAM

DNA-Blood Test No. 23-5805
Summary Report

Each participant received a sample set consisting of two known bloodstains and two questioned stains which they were requested to analyze using their existing protocols. Data were returned from 204 participants and are compiled into the following tables:

Manufacturer's Information

Each sample set consisted of two known bloodstains on FTA™ Micro Cards (Items 1 and 2), and two questioned stains on colored fabric (Items 3 and 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains on Items 1 - 4 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. Item 1 (75 μL) and Item 4 (50 μL) were created using blood from the same female donor. Item 2 (75 μL) and Item 3 (50 μL) were created using blood from the same male donor. 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 06, 2023 following completion of the verification stage.

SAMPLE SET ASSEMBLY: For each sample set, all Items (1-4) were packaged into separate envelopes and then placed together in a pre-labeled sample set envelope and sealed. The sealed sample set 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	16,16.3	17,25	10,11	14,17	10,11	17,19
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	NM	NM	NM	NM	
2	14,15	17,25	11,14	15,17	8,12	12,15
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15	2	
3	14,15	17,25	11,14	15,17	8,12	12,15
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15	2	
4	16,16.3	17,25	10,11	14,17	10,11	17,19
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	NM	NM	NM	NM	

YSTR Results

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

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
2	36,38	15	15,18	13	31	21	10	11	13
	14	11	11	21	>40#	15	16	10	27
	39	12	11	19	15	20	21	13	12
3	36,38	15	15,18	13	31	21	10	11	13
	14	11	11	21	*	15	16	10	27
	39	12	11	19	15	20	21	13	12

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

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

 # - Approximately 15% of participants reported ">41"

Summary Comments

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

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

For YSTR results, all but one participant reported consistent results. Of note, for Item 2, a total of 19 participants reported a result for locus DYS449, the majority of which reported ">40" and the remaining reported ">41," all using the YFiler™ Plus kit.

DNA Interpretations
Of the 204 participants that returned results, 169 reported DNA interpretations for at least one conclusion. Thirty-five participants stated that the samples were analyzed for database purposes only.

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

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

Ammendment January 2024:
Following feedback, CTS has performed an additional review of the YSTR data. Of note are the results received for locus DYS449 for Items 2 and 3 (blood from the same male donor). Of the YSTR amplification kits reported for this test, only participants reporting YFiler™ Plus would have amplified this locus. For Item 2, 47 participants reported using the YFiler™ Plus kit and of those participants, 19 reported the off-ladder response of ">40" or ">41." An additional participant that did not report an allelic response for this locus, stated in their additional comments that there was a null allele that is >40. Ten participants reported "NR" and 17 left this field completely blank. One of the participants that reported "NR" stated in their additional comments that a null allele was observed. For Item 3, 32 participants reported using YFiler™ Plus. Of those, four reported ">40" or ">41", ten reported "NR" and 18 left this field blank. Since less than ten participants reported an allelic response for this item, a consensus was not formed.

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

2BDK73 — PowerPlex® 21 (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
16,16.3	17,25		14,17	10,11	17,19
10,11	11,13		17.3,25	11,12	9,11
17,19	14,14	29,30		X,X	12,12
23,26	10,11	7,21		6,9	11,12
18,18					

2BYV4Q — 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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X,X	12
23,26			17.2,26.2	6,9	11,12
18	NM			NM	

2D3N4G — 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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

2DWK2P — Investigator® 24plex (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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

2J7RQU — 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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

2KGUDT — 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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

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

2PW32R   GlobalFiler™

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

2XR634   PowerPlex® Fusion 6C

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

3736HK   Identifiler®

	17,25		14,17	10,11	
10,11	11,13			11,12	9,11
17,19	14,14	29,30		X,X	12,12
23,26				6,9	11,12
18,18					

3JPXNY   GlobalFiler™

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	NR			NR	

3LPDLN   PowerPlex® Fusion 5C

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21		6,9	11,12
18,18	No Results				

4DUNR7   PowerPlex® Fusion 6C

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18	NR	NR	NR		

4FDPLR   PowerPlex® Fusion 6C

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

TABLE 1

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

Item 1 - STR Results

4FJRNJ Investigator® 24plex QS

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18					

4KRFZY GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18					

4MZE9M Investigator® 24plex

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	No Results				

4XJ38F PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

4YUVXN PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21		6,9	11,12
	18,18					

62BFHH PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21		6,9	11,12
	18,18	No Results				

62ZLRA PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

TABLE 1

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

Item 1 - STR Results

64KFMP	GlobalFiler™ Express					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X,X	12
	23,26			17.2,26.2	6,9	11,12
	18	NM			NM	

69VNUL	PowerPlex® Fusion					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21		6,9	11,12
	18,18					

6RBXVM	PowerPlex® Fusion					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21		6,9	11,12
	18,18					

6V8MCU	GlobalFiler™ Express					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

6VR7JL	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

6YREMW	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18					

7AZQ6J	PowerPlex® Fusion 5C					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21		6,9	11,12
	18,18	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

7CBJ9X PowerPlex® Fusion 6C

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

Item: 1

7CD7PC PowerPlex® Fusion 6C

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

Item: 1

7GQQWX GlobalFiler™

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

Item: 1

7JBRQJ GlobalFiler™ Express

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	NR			NR	

Item: 1

7N8G8Q GlobalFiler™ Express

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	13.1,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

Item: 1

7P79AC Identifiler® Plus

	17,25		14,17	10,11	
10,11	11,13			11,12	9,11
17,19	14,14	29,30		X,X	12,12
23,26				6,9	11,12
18,18					

Item: 1

7UFQMZ FlexPlex27

16,16.3	17,25	10,11	14,17	10,11	17,19
10,11	11,13	14,17	17.3,25	11,12	
17,19	14,14	29,30	16,17	X,X	12,12
23,26		7,21	17.2,26.2	6,9	11,12
18,18					

Item: 1

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

7WKE4B	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					
88XX2C	PowerPlex® Fusion 6C					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					
8EVRTJ	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					
8R4BTY	FlexPlex27					
	16,16.3	17,25	10,11	14,17	10,11	17,19
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26		7,21	17.2,26.2	6,9	11,12
	18,18					
8WB2UJ	GlobalFiler™ Express					
	16,16.3	17,25	10,11	14,17	10,11	-
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X,X	12
	23,26	-	-	17.2,26.2	6,9	11,12
	18	NM	-	-	NM	
9DDA3H	PowerPlex® Fusion 5C					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21		6,9	11,12
	18,18	No Results				
9N3PGM	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

TABLE 1

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

Item 1 - STR Results

9NUUME — PowerPlex® Fusion 6C

1	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	No Results	No Results	No Results		

9WBBEN — Identifiler®, PowerPlex® CS7, SureID 27comp, Investigator HDplex

1						
	16,16.3	17,25	10,11	14,17	10,11	17,19
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18					

9WTAKY — FlexPlex27

1						
	16,16.3	17,25	10,11	14,17	10,11	17,19
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26		7,21	17.2,26.2	6,9	11,12
	18,18					

A4NRCG — GlobalFiler™

1						
	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

A6GK8Z — PowerPlex® Fusion 6C

1						
	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	NR	NR	NR		

A7FN2B — PowerPlex® Fusion 6C

1						
	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

AB2U9G — Investigator® 24plex QS

1						
	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	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

ABBHYC — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

AGENCT — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

AH7KZM — GlobalFiler™ Express (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

AZ927L — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	-
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18	-	-	-	-	

AZHF6E — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	No Results			No Results	

B4LGV4 — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

B7DWN8 — Identifiler® Plus (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,25		14,17	10,11	
10,11	11,13			11,12	9,11
17,19	14,14	29,30		X,X	12,12
23,26				6,9	11,12
18,18					

Revised: January 26, 2024. Summary Comments Update	(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 1 - STR Results

B7UABC — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

BHRTTB — Identifiler® Plus (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,25		14,17	10,11	
10,11	11,13			11,12	9,11
17,19	14,14	29,30		X,X	12,12
23,26				6,9	11,12
18,18					

BLKEEY — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18					

BN6F9L — GlobalFiler™ Express (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	13.1,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

BZ4ZZE — PowerPlex® Fusion (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21		6,9	11,12
18	NR				

CLB7EB — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18	No Results	No Results	No Results		

CXCMCR — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

TABLE 1

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

Item 1 - STR Results

D4W3HB — PowerPlex® Fusion (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21		6,9	11,12
18	NR				

DBF7MR — FlexPlex27 (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	17,19
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26		7,21	17.2,26.2	6,9	11,12
18,18					

DHVXQB — PowerPlex® Fusion 5C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21		6,9	11,12
18,18	No Results				

DM8YVF — Investigator® 24plex GO!, QS (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	N/A
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	N/A	N/A	17.2,26.2	6,9	11,12
18,18	N/A	N/A	N/A	N/A	

DUA4R6 — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

DYFPPB — GlobalFiler™ Express (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	No Results			No Results	

E267TG — GlobalFiler™ Express (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

TABLE 1

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

Item 1 - STR Results

E73KG7 — PowerPlex® Fusion

D1S1656 / ...	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21		6,9	11,12
18,18					

E89AGU — PowerPlex® 6C

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18	NR	NR	NR		

E9K622 — PowerPlex® Fusion 6C

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

EFPLWG — GlobalFiler™

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

EKKD6D — PowerPlex® Fusion

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21		6,9	11,12
18,18	ND				

EXNY6G — GlobalFiler™ Express

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

FDHQQH — GlobalFiler™ (STRmix)

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	-			-	

TABLE 1

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

Item 1 - STR Results

FDVFRA	Investigator® 24plex GO!					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					
FEMBF4	PowerPlex® Fusion 6C					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					
FNEWJG	GlobalFiler™ Express					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					
FWQ388	GlobalFiler™ Express					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	No Results			No Results	
FZTQXV	PowerPlex® Fusion 6C					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	NR	NR	NR		
GMFZL7	PowerPlex® Fusion 5C					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21		6,9	11,12
	18,18	No Results				
H2R49D	GlobalFiler™ Express					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

TABLE 1

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

Item 1 - STR Results

H4JZX8 PowerPlex® Fusion 5C

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21		6,9	11,12
18	NR				

Item 1

HEX2DD GlobalFiler™

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

Item 1

HFDJCC GlobalFiler™ Express

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

Item 1

HG6E27 PowerPlex® Fusion

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21		6,9	11,12
18	NR				

Item 1

HJCU9C GlobalFiler™ Express

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

Item 1

HK4QW7 PowerPlex® Fusion, GlobalFiler™

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21		6,9	11,12
18	NR				

Item 1

HKN8D9 GlobalFiler™

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

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

HPGB4R — PowerPlex® Fusion 6C — 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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18	NR	NR	NR		

HT2CYE — GlobalFiler™ — Item 1

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	0			0	

J2YQRY — Identifiler® Plus — Item 1

	17,25		14,17	10,11	
10,11	11,13			11,12	9,11
17,19	14,14	29,30		X,X	12,12
23,26				6,9	11,12
18,18					

J7MZRC — GlobalFiler™ — Item 1

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

J8WZVX — GlobalFiler™ Express — Item 1

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X,X	12
23,26			17.2,26.2	6,9	11,12
18					

JEWLKD — GlobalFiler™ (STRmix) — Item 1

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

JHWUNM — PowerPlex® Fusion 6C — Item 1

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

Revised: January 26, 2024. Summary Comments Update   (18)

TABLE 1

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

Item 1 - STR Results

JMM6YL — 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
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

JPTJJ7 — PowerPlex® Fusion 6C

Item						
	16,16.3	17,25	10,11	14,17	10,11	Not Tested
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	No Results	No Results	No Results	Not Tested	

JR4CMK — GlobalFiler™

Item						
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18					

JUMDG8 — Investigator® 24plex

Item						
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	No Results				

K7ZXE9 — GlobalFiler™

Item						
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18					

KGHM37 — Investigator® 24plex GO!

Item						
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

KHAJRZ — PowerPlex® Fusion 6C

Item						
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

TABLE 1

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

Item 1 - STR Results

KM7BXB — GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

KPTUY9 — Investigator® 24plex QS

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	N/A
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	N/A	N/A	17.2,26.2	6,9	11,12
	18,18	N/A	N/A	N/A	N/A	

KPX8M6 — PowerPlex® Fusion

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21		6,9	11,12
	18	NR				

KVWTCJ — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

KYGU77 — PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21		6,9	11,12
	18,18	No Results				

KYZNVM — FlexPlex 27

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	17,19
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26		7,21	17.2,26.2	6,9	11,12
	18,18					

L3U6KL — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	NR	NR	NR		

TABLE 1

Item / WebCode	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

LPRCG6 — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

LWLLK9 — Investigator® 24plex QS — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	N/A
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	N/A	N/A	17.2,26.2	6,9	11,12
18,18	N/A	N/A	N/A	N/A	

LXXG4E — GlobalFiler™ (Genemapper IDX v1.5) — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	NR,NR
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	NR,NR	NR,NR	17.2,26.2	6,9	11,12
18,18	NR	NR,NR	NR,NR	NR	

LZPCT9 — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

M6D7F9 — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

M77CK6 — PowerPlex® Fusion — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21		6,9	11,12
18	NR				

MB6LWT — GlobalFiler™ Express — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X,X	12
23,26			17.2,26.2	6,9	11,12
18					

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

MH39XZ — Investigator® 24plex — Item 1

D1/D7/D18/FGA/vWA	D2S1338/D8S1179/D19S433/PentaD/DYS391	D2S441/D10S1248/D21S11/PentaE/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/YIndel	D6S1043/D16S539/CSF1PO/TPOX
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	No Results				

MMVF6F — GlobalFiler™ — Item 1

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

MPFGY2 — PowerPlex® Fusion 5C — Item 1

16,16.3	17,25	10,11	14,17	10,11	Not Tested
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	Not Tested	6,9	11,12
18,18	No Results	Not Tested	Not Tested	Not Tested	

MPLK2T — PowerPlex® Fusion 6C — Item 1

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

MTKVXT — PowerPlex® Fusion 6C — Item 1

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

MW6PR9 — GlobalFiler™ Express — Item 1

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X,X	12
23,26			17.2,26.2	6,9	11,12
18	NM			NM	

N4YC2J — PowerPlex® Fusion 6C — Item 1

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18	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 1 - STR Results

N9RGR3	GlobalFiler™ Express					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X,X	12
	23,26			17.2,26.2	6,9	11,12
	18	NM			NM	

NEKGB6	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

NVBXHU	Identifiler® Plus					
		17,25		14,17	10,11	
1	10,11	11,13			11,12	9,11
	17,19	14,14	29,30		X,X	12,12
	23,26				6,9	11,12
	18,18					

NY86HB	GlobalFiler™ (STRmix)					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18					

NYLHX8	PowerPlex® Fusion 6C (STRmix 2.6.3)					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

NYMAC3	PowerPlex® Fusion					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21		6,9	11,12
	18	NR				

P68PHL	PowerPlex® Fusion 6C					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	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 1 - STR Results

PA49M6 — GlobalFiler™

Item 1					
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

PR3NMV — GlobalFiler™ IQC

Item 1					
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

PX99K2 — Investigator® 24plex

Item 1					
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	No Results				

PY38M7 — GlobalFiler™ Express

Item 1					
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

PYZ8YY — PowerPlex® Fusion 5C

Item 1					
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21		6,9	11,12
18,18	No Results				

PZT724 — GlobalFiler™

Item 1					
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

Q2MELT — PowerPlex® Fusion 6C

Item 1					
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

TABLE 1

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

Item 1 - STR Results

Q8TYKX — 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
1	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	No Results	No Results	No Results		

QAWU42 — PowerPlex® Fusion 5C

Item						
1	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21		6,9	11,12
	18,18					

QPDJPH — PowerPlex® Fusion 6C

Item						
1	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	NR	NR	NR		

QPT3AF — PowerPlex® Fusion 6C

Item						
1	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	NR	NR	NR		

QRC462 — PowerPlex® Fusion 6C

Item						
1	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

QUNP6P — GlobalFiler™ Express

Item						
1	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X,X	12
	23,26			17.2,26.2	6,9	11,12
	18	NR			NR	

QXJKL3 — Investigator® 24plex QS

Item						
1	16,16.3	17,25	10,11	14,17	10,11	N/A
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	N/A	N/A	17.2,26.2	6,9	11,12
	18,18	N/A	N/A	N/A	N/A	

TABLE 1

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

Item 1 - STR Results

QYJZGV Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,25		14,17	10,11	
10,11	11,13			11,12	9,11
17,19	14,14	29,30		X,X	12,12
23,26				6,9	11,12
18,18					

(Item 1)

R2GBJ2 PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18	No Results	No Results	No Results		

(Item 1)

R3WLKF PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

(Item 1)

R6GMF2 GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	No Results			No Results	

(Item 1)

R8QHA7 GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	--			--	

(Item 1)

R92KW6 GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

(Item 1)

RDGRK6 GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

(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

RKCULF — FlexPlex 27 — Item 1

	17,25	10,11	14,17	10,11	17,19
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26		7,21	17.2,26.2	6,9	11,12
18,18					

RYXAPF — PowerPlex® Fusion 6C — Item 1

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

T3MFAV — Investigator® 24plex — Item 1

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	No Results				

T7Q2BE — FlexPlex 27 — Item 1

16,16.3	17,25	10,11	14,17	10,11	17,19
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26		7,21	17.2,26.2	6,9	11,12
18,18					

T83NXU — Investigator® 24plex — Item 1

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	No Results				

THM84C — PowerPlex® Fusion 6C — Item 1

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18	NR	NR	NR		

TNUCG7 — GlobalFiler™ (STRmix) — Item 1

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	--			--	

TABLE 1

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

Item 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

TRRTTZ — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

U2CJTX — PowerPlex® Fusion (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21		6,9	11,12
18,18	ND				

U7PJPN — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

U9C7HC — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18	NR	NR	NR		

UBW4NU — Investigator® 24plex (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	No Results				

UQQKWZ — GlobalFiler™ Express (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X,X	12
23,26			17.2,26.2	6,9	11,12
18	NM			NM	

UYLKEY — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

Revised: January 26, 2024. Summary Comments Update   (28)

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

V97BEW	PowerPlex® Fusion					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21		6,9	11,12
	18,18	ND				
VFR92X	Investigator® 24plex QS					
	16,16.3	17,25	10,11	14,17	10,11	n/a
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	n/a	n/a	17.2,26.2	6,9	11,12
	18,18	n/a	n/a	n/a	n/a	
VJQHDL	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					
VPW72V	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	No Results			No Results	
VWCYZX	Investigator® 24plex QS, GO					
	16,16.3	17,25	10,11	14,17	10,11	N/A
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	N/A	N/A	17.2,26.2	6,9	11,12
	18,18	N/A	N/A	N/A	N/A	
VWFEDX	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					
W23NZ2	GlobalFiler™ (STRmix)					
	16,16.3	17,25	10,11	14,17	10,11	
1	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	--			--	

TABLE 1

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

Item 1 - STR Results

W4UMEZ GlobalFiler™ (STRMix V 2.7)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

WBFW7Q Identifiler®

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1		17,25		14,17	10,11	
	10,11	11,13			11,12	9,11
	17,19	14,14	29,30		X,X	12,12
	23,26				6,9	11,12
	18,18					

WFN2CB PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	NR	NR	NR		

WH937X GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

WHTFWV Investigator® 24plex QS

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18					

WYXW9N PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18					

WZN9HU PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	No Results	No Results	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

XB9TNC — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18	NR	NR	NR		

XBMEYY — GlobalFiler™ Express — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

XDAYZW — GlobalFiler™ Express — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X,X	12
23,26			17.2,26.2	6,9	11,12
18	NM			NM	

XQMUMM — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18					

XVHNKN — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

Y79WHH — PowerPlex® Fusion 5C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21		6,9	11,12
18	NA				

YAVJB6 — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

TABLE 1

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

Item 1 - STR Results

YD9GHR — 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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21		6,9	11,12
18,18					

YDPHKU — 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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21		6,9	11,12
18	NR				

YFZEWQ — 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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21		6,9	11,12
18	NR				

YRQ97Y — 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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

Z6RDLP — Investigator® 24plex — 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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	No Results				

Z7QAJZ — 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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	--			--	

ZA4AFQ — 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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

TABLE 1

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

Item 1 - STR Results

ZLJ6U6 — FlexPlex27

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
16,16.3	17,25	10,11	14,17	10,11	17,19
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26		7,21	17.2,26.2	6,9	11,12
18,18					

ZMB2HY — GlobalFiler™ Express

D1S1656 / D7S820 / D18S51 / FGA	D2S1338 / D8S1179 / D19S433 / Penta D	D2S441 / D10S1248 / D21S11 / Penta E	D3S1358 / D12S391 / D22S1045 / SE33	D5S818 / D13S317 / Amelogenin / TH01	D6S1043 / D16S539 / CSF1PO / TPOX
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

ZR9HVT — GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA	D2S1338 / D8S1179 / D19S433 / Penta D	D2S441 / D10S1248 / D21S11 / Penta E	D3S1358 / D12S391 / D22S1045 / SE33	D5S818 / D13S317 / Amelogenin / TH01	D6S1043 / D16S539 / CSF1PO / TPOX
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

ZTVBGV — PowerPlex® 16 HS

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D	D2S441 / D10S1248 / D21S11 / Penta E	D3S1358 / D12S391 / D22S1045 / SE33	D5S818 / D13S317 / Amelogenin / TH01	D6S1043 / D16S539 / CSF1PO / TPOX
			14,17	10,11	
10,11	11,13			11,12	9,11
17,19		29,30		X,X	12,12
23,26	10,11	7,21		6,9	11,12
18,18					

ZTZDJM — GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA	D2S1338 / D8S1179 / D19S433 / Penta D	D2S441 / D10S1248 / D21S11 / Penta E	D3S1358 / D12S391 / D22S1045 / SE33	D5S818 / D13S317 / Amelogenin / TH01	D6S1043 / D16S539 / CSF1PO / TPOX
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

ZUV2WQ — GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA	D2S1338 / D8S1179 / D19S433 / Penta D	D2S441 / D10S1248 / D21S11 / Penta E	D3S1358 / D12S391 / D22S1045 / SE33	D5S818 / D13S317 / Amelogenin / TH01	D6S1043 / D16S539 / CSF1PO / TPOX
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

ZYLKRU — 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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18					

TABLE 1

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

2BDK73 — PowerPlex® 21 (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
14,15	17,25		15,17	8,12	12,15
10,11	14,16		16,19	11,14	9,11
16,17	11,12	28,31		X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17					

2BYV4Q — GlobalFiler™ Express (Item 2)

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

2D3N4G — GlobalFiler™ Express (Item 2)

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

2DWK2P — Investigator® 24plex (Item 2)

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10				

2J7RQU — GlobalFiler™ Express (Item 2)

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

2KGUDT — GlobalFiler™ (Item 2)

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

2PW32R — GlobalFiler™ (Item 2)

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

TABLE 1

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

Item 2 - STR Results

2XR634 PowerPlex® Fusion 6C

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

(Item 2)

3736HK Identifiler®

	17,25		15,17	8,12	
10,11	14,16			11,14	9,11
16,17	11,12	28,31		X,Y	10,12
23,24				8,9.3	8,11
14,17					

(Item 2)

3JPXNY GlobalFiler™

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

(Item 2)

3LPDLN GlobalFiler™ Express Kit

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

(Item 2)

4DUNR7 PowerPlex® Fusion 6C

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

(Item 2)

4FDPLR PowerPlex® Fusion 6C

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

(Item 2)

4FJRNJ Investigator® 24plex QS

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10				

(Item 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

4KRFZY	GlobalFiler™					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	
4MZE9M	Investigator® 24plex					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10				
4XJ38F	PowerPlex® Fusion 6C					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		
4YUVXN	GlobalFiler™					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	
62BFHH	PowerPlex® Fusion 5C					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13		8,9.3	8,11
	14,17	10				
62ZLRA	PowerPlex® Fusion 6C					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		
64KFMP	GlobalFiler™ Express					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

TABLE 1

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

Item 2 - STR Results

69VNUL   PowerPlex® Fusion

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

Item: 2

6RBXVM   PowerPlex® Fusion

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

Item: 2

6V8MCU   GlobalFiler™ Express

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

Item: 2

6VR7JL   GlobalFiler™

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

Item: 2

6YREMW   GlobalFiler™

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

Item: 2

7AZQ6J   Investigator® 24plex

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10				

Item: 2

7CBJ9X   PowerPlex® Fusion 6C

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

Item: 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

7CD7PC — PowerPlex® Fusion 6C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

7GQQWX — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

7JBRQJ — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

7N8G8Q — GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

7P79AC — Identifiler® Plus — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,25		15,17	8,12	
10,11	14,16			11,14	9,11
16,17	11,12	28,31		X,Y	10,12
23,24				8,9.3	8,11
14,17					

7UFQMZ — FlexPlex27 — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	12,15
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24		10,13	16,18	8,9.3	8,11
14,17	10	19	15		

7WKE4B — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

TABLE 1

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

Item 2 - STR Results

88XX2C — PowerPlex® Fusion 6C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

8EVRTJ — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

8R4BTY — FlexPlex27 — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	12,15
10,11	14,16	12,13	16,19		9,11
16,17	11,12	28,31	11,17	X,Y	10,12
		10,13	16,18	8,9.3	8,11
14,17	10	19	15		

8WB2UJ — GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	-
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	-	-	16,18	8,9.3	8,11
14,17	10	-	-	2	

9DDA3H — PowerPlex® Fusion 5C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

9N3PGM — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

9NUUME — PowerPlex® Fusion 6C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

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

9WBBEN — Identifiler®, PowerPlex® CS7, SureID 27comp, Investigator HDplex — Item 2

14,15	17,25	11,14	15,17	8,12	12,15
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17				2	

9WTAKY — FlexPlex27 — Item 2

14,15	17,25	11,14	15,17	8,12	12,15
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24		10,13	16,18	8,9.3	8,11
	10	19	15		

A4NRCG — GlobalFiler™ — Item 2

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

A6GK8Z — PowerPlex® Fusion 6C — Item 2

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

A7FN2B — PowerPlex® Fusion 6C — Item 2

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

AB2U9G — Investigator® 24plex QS — Item 2

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10				

ABBHYC — GlobalFiler™ — Item 2

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
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**

Item 2 - STR Results

AGENCT — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

AH7KZM — GlobalFiler™ Express — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

AZ927L — 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
14,15	17,25	11,14	15,17	8,12	-
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15	-	

AZHF6E — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

B4LGV4 — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

B7DWN8 — Identifiler® Plus — 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
	17,25		15,17	8,12	
10,11	14,16			11,14	9,11
16,17	11,12	28,31		X,Y	10,12
23,24				8,9.3	8,11
14,17					

B7UABC — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	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

BHRTTB — Identifiler® Plus — Item 2

	17,25			15,17	8,12
10,11	14,16			11,14	9,11
16,17	11,12	28,31		X,Y	10,12
23,24				8,9.3	8,11
14,17					

BLKEEY — PowerPlex® Fusion 6C — Item 2

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

BN6F9L — GlobalFiler™ Express — Item 2

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

BZ4ZZE — PowerPlex® Fusion — Item 2

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

CLB7EB — PowerPlex® Fusion 6C — Item 2

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

CXCMCR — PowerPlex® Fusion 6C — Item 2

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

D4W3HB — PowerPlex® Fusion — Item 2

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

TABLE 1

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

Item 2 - STR Results

DBF7MR — FlexPlex27 — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	12,15
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24		10,13	16,18	8,9.3	8,11
	10	19	15		

DHVXQB — PowerPlex® Fusion 5C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

DM8YVF — Investigator® 24plex QS,GO! — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	N/A
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	N/A	N/A	16,18	8,9.3	8,11
14,17	10	N/A	N/A	N/A	

DUA4R6 — PowerPlex® Fusion 6C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

DYFPPB — GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

E267TG — GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

E73KG7 — PowerPlex® Fusion — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

TABLE 1

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

Item 2 - STR Results

E89AGU — PowerPlex® 6C — Item 2

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

E9K622 — PowerPlex® Fusion 6C — Item 2

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

EFPLWG — GlobalFiler™ — Item 2

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

EKKD6D — PowerPlex® Fusion — Item 2

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13		8,9.3	8,11
	14,17	10				

EXNY6G — GlobalFiler™ Express — Item 2

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

FDHQQH — GlobalFiler™ (STRmix) — Item 2

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

FDVFRA — Investigator® 24plex GO! — Item 2

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10				

TABLE 1

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

Item 2 - STR Results

FEMBF4 — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

FNEWJG — GlobalFiler™ Express — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

FWQ388 — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

FZTQXV — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

GMFZL7 — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

H2R49D — GlobalFiler™ Express — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

H4JZX8 — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

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 2 - STR Results

HEX2DD — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

HFDJCC — GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

HG6E27 — PowerPlex® Fusion — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

HJCU9C — GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

HK4QW7 — PowerPlex® Fusion — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

HKN8D9 — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

HPGB4R — PowerPlex® Fusion 6C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

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

HT2CYE GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

J2YQRY Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2		17,25		15,17	8,12	
	10,11	14,16			11,14	9,11
	16,17	11,12	28,31		X,Y	10,12
	23,24				8,9.3	8,11
	14,17					

J7MZRC GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

J8WZVX GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

JEWLKD GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

JHWUNM PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

JMM6YL PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

TABLE 1

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

JPTJJ7 — PowerPlex® Fusion 6C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	Not Tested
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15	Not Tested	

JR4CMK — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

JUMDG8 — Investigator® 24plex — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10				

K7ZXE9 — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

KGHM37 — Investigator® 24plex GO! — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10				

KHAJRZ — PowerPlex® Fusion 6C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

KM7BXB — GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			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 2 - STR Results

KPTUY9	Investigator® 24plex QS					
	14,15	17,25	11,14	15,17	8,12	N/A
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	N/A	N/A	16,18	8,9.3	8,11
	14,17	10	N/A	N/A	N/A	
KPX8M6	PowerPlex® Fusion					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13		8,9.3	8,11
	14,17	10				
KVWTCJ	PowerPlex® Fusion 6C					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		
KYGU77	PowerPlex® Fusion 5C					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13		8,9.3	8,11
	14,17	10				
KYZNVM	FlexPlex 27					
	14,15	17,25	11,14	15,17	8,12	12,15
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24		10,13	16,18	8,9.3	8,11
	14,17	10	19	15		
L3U6KL	PowerPlex® Fusion 6C					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		
LPRCG6	GlobalFiler™					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

TABLE 1

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

Item 2 - STR Results

LWLLK9 — Investigator® 24plex QS

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	N/A
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	N/A	N/A	16,18	8,9.3	8,11
	14,17	10	N/A	N/A	N/A	

LXXG4E — GlobalFiler™ (Genemapper IDX v1.5)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	NR,NR
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	NR,NR	NR,NR	16,18	8,9.3	8,11
	14,17	10	NR,NR	NR,NR	2	

LZPCT9 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

M6D7F9 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

M77CK6 — PowerPlex® Fusion

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13		8,9.3	8,11
	14,17	10				

MB6LWT — GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

MH39XZ — Investigator® 24plex

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10				

TABLE 1

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

Item 2 - STR Results

MMVF6F	GlobalFiler™					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24				16,18	8,9.3	8,11
	14,17	10			2	

MPFGY2	PowerPlex® Fusion 5C					
	14,15	17,25	11,14	15,17	8,12	Not Tested
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	Not Tested	8,9.3	8,11
	14,17	10	Not Tested	Not Tested	Not Tested	

MPLK2T	PowerPlex® Fusion 6C					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

MTKVXT	PowerPlex® Fusion 6C					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

MW6PR9	GlobalFiler™ Express					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24				16,18	8,9.3	8,11
	14,17	10			2	

N4YC2J	PowerPlex® Fusion 6C					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

N9RGR3	GlobalFiler™ Express					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24				16,18	8,9.3	8,11
	14,17	10			2	

TABLE 1

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

Item 2 - STR Results

NEKGB6 — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

NVBXHU — Identifiler® Plus — 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
	17,25		15,17	8,12	
10,11	14,16			11,14	9,11
16,17	11,12	28,31		X,Y	10,12
23,24				8,9.3	8,11
14,17					

NY86HB — GlobalFiler™ (STRmix) — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

NYLHX8 — PowerPlex® Fusion 6C (STRmix 2.6.3) — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

NYMAC3 — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

P68PHL — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

PA49M6 — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

TABLE 1

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

Item 2 - STR Results

PR3NMV — GlobalFiler™ IQC

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

PX99K2 — Investigator® 24plex

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10				

PY38M7 — GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

PYZ8YY — PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

PZT724 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

Q2MELT — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

Q8TYKX — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

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

QAWU42 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

QPDJPH PowerPlex® Fusion 6C

2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

QPT3AF PowerPlex® Fusion 6C

2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

QRC462 PowerPlex® Fusion 6C

2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

QUNP6P GlobalFiler™ Express

2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

QXJKL3 Investigator® 24plex GO & QS

2	14,15	17,25	11,14	15,17	8,12	N/A
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	N/A	N/A	16,18	8,9.3	8,11
	14,17	10	N/A	N/A	N/A	

QYJZGV Identifiler® Plus

2		17,25		15,17	8,12	
	10,11	14,16			11,14	9,11
	16,17	11,12	28,31		X,Y	10,12
	23,24				8,9.3	8,11
	14,17					

Revised: January 26, 2024. Summary Comments Update   (54)

TABLE 1

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
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**

Item 2 - STR Results

R2GBJ2 — PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

R3WLKF — PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

R6GMF2 — PowerPlex® Fusion, MiniFiler

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13		8,9.3	8,11
	14,17	10				

R8QHA7 — GlobalFiler™ (STRmix)

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

R92KW6 — GlobalFiler™ Express

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

RDGRK6 — GlobalFiler™ Express

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

RKCULF — FlexPlex 27

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	12,15
	10,11		12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24		10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

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

RYXAPF — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

T3MFAV — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10				

T7Q2BE — FlexPlex 27 — 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
14,15	17,25	11,14	15,17	8,12	12,15
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24		10,13	16,18	8,9.3	8,11
14,17	10	19	15		

T83NXU — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10				

THM84C — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

TNUCG7 — GlobalFiler™ (STRmix) — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

TRRTTZ — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

TABLE 1

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

Item 2 - STR Results

U2CJTX — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

U7PJPN — PowerPlex® Fusion 6C — Item 2

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

U9C7HC — PowerPlex® Fusion 6C — Item 2

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

UBW4NU — Investigator® 24plex — Item 2

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10				

UQQKWZ — GlobalFiler™ Express — Item 2

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

UYLKEY — GlobalFiler™ — Item 2

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

V97BEW — PowerPlex® Fusion — Item 2

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	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

VFR92X	Investigator® 24plex QS					
	14,15	17,25	11,14	15,17	8,12	n/a
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	n/a	n/a	16,18	8,9.3	8,11
	14,17	10	n/a	n/a	n/a	

VJQHDL	GlobalFiler™					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

VPW72V	GlobalFiler™					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

VWCYZX	Investigator® 24plex QS, GO					
	14,15	17,25	11,14	15,17	8,12	N/A
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	N/A	N/A	16,18	8,9.3	8,11
	14,17	10	N/A	N/A	N/A	

VWFEDX	GlobalFiler™					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

W23NZ2	GlobalFiler™ (STRmix)					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

W4UMEZ	GlobalFiler™ (STRMix v 2.7)					
	14,15	17,25	11,14	15,17	8,12	
2	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

TABLE 1

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

Item 2 - STR Results

WBFW7Q   Identifiler®

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2		17,25		15,17	8,12	
	10,11	14,16			11,14	9,11
	16,17	11,12	28,31		X,Y	10,12
	23,24				8,9.3	8,11
	14,17					

WFN2CB   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

WH937X   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

WHTFWV   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

WYXW9N   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

WZN9HU   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

XB9TNC   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

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

XBMEYY — GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

Item: 2

XDAYZW — GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

Item: 2

XQMUMM — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

Item: 2

XVHNKN — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

Item: 2

Y79WHH — PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

Item: 2

YAVJB6 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

Item: 2

YD9GHR — PowerPlex® Fusion

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

Item: 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

YDPHKU — PowerPlex® Fusion — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

YFZEWQ — PowerPlex® Fusion — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

YRQ97Y — GlobalFiler™ (STRmix) — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

Z6RDLP — Investigator® 24plex — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10				

Z7QAJZ — GlobalFiler™ (STRmix) — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

ZA4AFQ — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

ZLJ6U6 — FlexPlex27 — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	12,15
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24		10,13	16,18	8,9.3	8,11
14,17	10	19	15		

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

ZMB2HY — GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

ZR9HVT — GlobalFiler™ (STRmix) — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

ZTVBGV — PowerPlex® 16 HS — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
			15,17	8,12	
10,11	14,16			11,14	9,11
16,17		28,31		X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17					

ZTZDJM — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

ZUV2WQ — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

ZYLKRU — Investigator® 24plex QS — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10				

TABLE 1

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

Item 3 - STR Results

2BDK73 — PowerPlex® 21 — 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
14,15	17,25		15,17	8,12	12,15
10,11	14,16		16,19	11,14	9,11
16,17	11,12	28,31		X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17					

2BYV4Q — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

2DWK2P — PowerPlex® Fusion 5C — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

2KGUDT — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

2PW32R — GlobalFiler™ (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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

2XR634 — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

3736HK — Identifiler® — 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
	17,25		15,17	8,12	
10,11	14,16			11,14	9,11
16,17	11,12	28,31		X,Y	10,12
23,24				8,9.3	8,11
14,17					

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

3JPXNY GlobalFiler™

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

3LPDLN Investigator® 24plex QS

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10				

4DUNR7 PowerPlex® Fusion 6C (STRmix)

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

4FDPLR PowerPlex® Fusion 6C (STRMix 2.6.3)

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

4FJRNJ Investigator® 24plex QS

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10				

4KRFZY GlobalFiler™

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

4MZE9M PowerPlex® Fusion 5C

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13			8,11
14,17	10				

TABLE 1

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

Item 3 - STR Results

4XJ38F	PowerPlex® Fusion 6C					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

62BFHH	GlobalFiler™ (STRmix)					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

62ZLRA	PowerPlex® Fusion 6C					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

64KFMP	GlobalFiler™					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

69VNUL	PowerPlex® Fusion					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13		8,9.3	8,11
	14,17	10				

6RBXVM	PowerPlex® Fusion					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13		8,9.3	8,11
	14,17	10				

6VR7JL	GlobalFiler™					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

TABLE 1

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

Item 3 - STR Results

6YREMW — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

7AZQ6J — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

7CBJ9X — PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

7CD7PC — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

7GQQWX — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

7JBRQJ — Investigator® 24plex (STRmix v2.5.11)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10				

7N8G8Q — GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

TABLE 1

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

Item 3 - STR Results

7P79AC — Identifiler® Plus — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,25		15,17	8,12	
D7S820	**D8S1179**	**D10S1248**	**D12S391**	**D13S317**	**D16S539**
10,11	14,16			11,14	9,11
D18S51	**D19S433**	**D21S11**	**D22S1045**	**Amelogenin**	**CSF1PO**
16,17	11,12	28,31		X,Y	10,12
FGA	**Penta D**	**Penta E**	**SE33**	**TH01**	**TPOX**
23,24				8,9.3	8,11
vWA	**DYS391**	**DYS570**	**DYS576**	**Y Indel**	
14,17					

7UFQMZ — FlexPlex27 — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25		15,17	8,12	12,15
D7S820	**D8S1179**	**D10S1248**	**D12S391**	**D13S317**	**D16S539**
10,11	14,16	12,13	16,19	11,14	9,11
D18S51	**D19S433**	**D21S11**	**D22S1045**	**Amelogenin**	**CSF1PO**
16,17	11,12	28,31	11,17	X,Y	10,12
FGA	**Penta D**	**Penta E**	**SE33**	**TH01**	**TPOX**
23,24		10,13	16,18		8,11
vWA	**DYS391**	**DYS570**	**DYS576**	**Y Indel**	
14,17	10	19	15		

7WKE4B — GlobalFiler™ — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
D7S820	**D8S1179**	**D10S1248**	**D12S391**	**D13S317**	**D16S539**
10,11	14,16	12,13	16,19	11,14	9,11
D18S51	**D19S433**	**D21S11**	**D22S1045**	**Amelogenin**	**CSF1PO**
16,17	11,12	28,31	11,17	X,Y	10,12
FGA	**Penta D**	**Penta E**	**SE33**	**TH01**	**TPOX**
23,24			16,18	8,9.3	8,11
vWA	**DYS391**	**DYS570**	**DYS576**	**Y Indel**	
14,17	10			2	

88XX2C — PowerPlex® Fusion 6C — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
D7S820	**D8S1179**	**D10S1248**	**D12S391**	**D13S317**	**D16S539**
10,11	14,16	12,13	16,19	11,14	9,11
D18S51	**D19S433**	**D21S11**	**D22S1045**	**Amelogenin**	**CSF1PO**
16,17	11,12	28,31	11,17	X,Y	10,12
FGA	**Penta D**	**Penta E**	**SE33**	**TH01**	**TPOX**
23,24	9,11	10,13	16,18	8,9.3	8,11
vWA	**DYS391**	**DYS570**	**DYS576**	**Y Indel**	
14,17	10	19	15		

8EVRTJ — GlobalFiler™ — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
D7S820	**D8S1179**	**D10S1248**	**D12S391**	**D13S317**	**D16S539**
10,11	14,16	12,13	16,19	11,14	9,11
D18S51	**D19S433**	**D21S11**	**D22S1045**	**Amelogenin**	**CSF1PO**
16,17	11,12	28,31	11,17	X,Y	10,12
FGA	**Penta D**	**Penta E**	**SE33**	**TH01**	**TPOX**
23,24			16,18	8,9.3	8,11
vWA	**DYS391**	**DYS570**	**DYS576**	**Y Indel**	
14,17	10			2	

8R4BTY — FlexPlex27 — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	12,15
D7S820	**D8S1179**	**D10S1248**	**D12S391**	**D13S317**	**D16S539**
10,11	14,16	12,13	16,19	11,14	9,11
D18S51	**D19S433**	**D21S11**	**D22S1045**	**Amelogenin**	**CSF1PO**
16,17	11,12	28,31	11,17	X,Y	10,12
FGA	**Penta D**	**Penta E**	**SE33**	**TH01**	**TPOX**
23,24		10,13	16,18	8,9.3	8,11
vWA	**DYS391**	**DYS570**	**DYS576**	**Y Indel**	
14,17	10	19	15		

8WB2UJ — GlobalFiler™ — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	-
D7S820	**D8S1179**	**D10S1248**	**D12S391**	**D13S317**	**D16S539**
10,11	14,16	12,13	16,19	11,14	9,11
D18S51	**D19S433**	**D21S11**	**D22S1045**	**Amelogenin**	**CSF1PO**
16,17	11,12	28,31	11,17	X,Y	10,12
FGA	**Penta D**	**Penta E**	**SE33**	**TH01**	**TPOX**
23,24	-	-	16,18	8,9.3	8,11
vWA	**DYS391**	**DYS570**	**DYS576**	**Y Indel**	
14,17	10	-	-	2	

TABLE 1

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

Item 3 - STR Results

9DDA3H — GlobalFiler™ (STRmix)

Item 3

D1S1656/etc	D2S1338/etc	D2S441/etc	D3S1358/etc	D5S818/etc	D6S1043/etc
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

9N3PGM — GlobalFiler™

Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

9NUUME — GlobalFiler™

Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

9WBBEN — Identifiler®, PowerPlex® CS7, SureID 27comp, Investigator HDplex

Item 3

14,15	17,25	11,14	15,17	8,12	12,15
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17				2	

9WTAKY — FlexPlex27

Item 3

14,15	17,25	11,14	15,17	8,12	12,15
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24		10,13	16,18	8,9.3	8,11
14,17	10	19	15		

A4NRCG — GlobalFiler™

Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

A6GK8Z — PowerPlex® Fusion 6C (STRmix)

Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

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

A7FN2B — PowerPlex® Fusion 6C — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

AB2U9G — PowerPlex® Fusion 5C — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

ABBHYC — GlobalFiler™ — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

AGENCT — GlobalFiler™ — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

AZ927L — PowerPlex® Fusion 6C — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	-
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15	-	

AZHF6E — GlobalFiler™ — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

B4LGV4 — PowerPlex® Fusion 6C — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

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

B7DWN8 Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,25		15,17	8,12	
10,11	14,16			11,14	9,11
16,17	11,12	28,31		X,Y	10,12
23,24				8,9.3	8,11
14,17					

(Item 3)

B7UABC GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

(Item 3)

BHRTTB Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,25		15,17	8,12	
10,11	14,16			11,14	9,11
16,17	11,12	28,31		X,Y	10,12
23,24				8,9.3	8,11
14,17					

(Item 3)

BLKEEY PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

(Item 3)

BN6F9L GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

(Item 3)

BZ4ZZE PowerPlex® Fusion

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

(Item 3)

CLB7EB GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

(Item 3)

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

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

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

D4W3HB — PowerPlex® Fusion — Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

DBF7MR — FlexPlex27 — Item 3

14,15	17,25	11,14	15,17	8,12	12,15
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24		10,13	16,18	8,9.3	8,11
14,17	10	19	15		

DHVXQB — GlobalFiler™ — Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

DM8YVF — Investigator® 24plex QS — Item 3

14,15	17,25	11,14	15,17	8,12	N/A
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	N/A	N/A	16,18	8,9.3	8,11
14,17	10	N/A	N/A	N/A	

DUA4R6 — PowerPlex® Fusion 6C — Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

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

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

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

E73KG7 — PowerPlex® Fusion — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

E9K622 — PowerPlex® Fusion 6C — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

EFPLWG — GlobalFiler™ — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

EKKD6D — PowerPlex® Fusion — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

FDHQQH — GlobalFiler™ (STRmix) — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

FDVFRA — Investigator® 24plex QS — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10				

FEMBF4 — PowerPlex® Fusion 6C — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

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

FWQ388	PowerPlex® Fusion 6C					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

FZTQXV	PowerPlex® Fusion 6C (STRmix)					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

GMFZL7	GlobalFiler™					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

H4JZX8	PowerPlex® Fusion 5C					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13		8,9.3	8,11
	14,17	10				

HEX2DD	GlobalFiler™					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

HG6E27	PowerPlex® Fusion					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13		8,9.3	8,11
	14,17	10				

HK4QW7	PowerPlex® Fusion					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13		8,9.3	8,11
	14,17	10				

TABLE 1

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

Item 3 - STR Results

HKN8D9	GlobalFiler™					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

HPGB4R	PowerPlex® Fusion 6C (STRmix)					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

HT2CYE	GlobalFiler™					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

J2YQRY	Identifiler® Plus					
		17,25		15,17	8,12	
3	10,11	14,16			11,14	9,11
	16,17	11,12	28,31		X,Y	10,12
	23,24				8,9.3	8,11
	14,17					

J7MZRC	GlobalFiler™					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

JEWLKD	GlobalFiler™ (STRmix)					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

JHWUNM	PowerPlex® Fusion 6C (STRmix v2.7)					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

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

JMM6YL — PowerPlex® Fusion 6C (STRmix) — Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

JPTJJ7 — GlobalFiler™ — Item 3

14,15	17,25	11,14	15,17	8,12	Not Tested
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	Not Tested	Not Tested	16,18	8,9.3	8,11
14,17	10	Not Tested	Not Tested	2	

JR4CMK — GlobalFiler™ — Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

JUMDG8 — PowerPlex® Fusion 5C — Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

K7ZXE9 — GlobalFiler™ — Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

KGHM37 — Investigator® 24plex QS — Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10				

KHAJRZ — PowerPlex® Fusion 6C — Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

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

KPTUY9 — Investigator® 24plex QS — Item 3

14,15	17,25	11,14	15,17	8,12	N/A
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	N/A	N/A	16,18	8,9.3	8,11
14,17	10	N/A	N/A	N/A	

KPX8M6 — PowerPlex® Fusion — Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

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

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

KYGU77 — GlobalFiler™ (STRmix V2.5.11) — Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

KYZNVM — FlexPlex 27 — Item 3

14,15	17,25	11,14	15,17	8,12	12,15
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24		10,13	16,18	8,9.3	8,11
14,17	10	19	15		

LPRCG6 — GlobalFiler™ (STRmix) — Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

LWLLK9 — Investigator® 24plex QS — Item 3

14,15	17,25	11,14	15,17	8,12	N/A
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	N/A	N/A	16,18	8,9.3	8,11
14,17	10	N/A	N/A	N/A	

TABLE 1

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

Item 3 - STR Results

LXXG4E	GlobalFiler™ (Genemapper IDX v1.5)					
	14,15	17,25	11,14	15,17	8,12	NR,NR
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	NR,NR	NR,NR	16,18	8,9.3	8,11
	14,17	10	NR,NR	NR,NR	2	

LZPCT9	GlobalFiler™					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

M6D7F9	GlobalFiler™					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

M77CK6	PowerPlex® Fusion					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13		8,9.3	8,11
	14,17	10				

MH39XZ	PowerPlex® Fusion 5C (STRmix)					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13		8,9.3	8,11
	14,17	10				

MMVF6F	GlobalFiler™					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

MPFGY2	Investigator® 24plex QS					
	14,15	17,25	11,14	15,17	8,12	Not Tested
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	Not Tested	Not Tested	16,18	8,9.3	8,11
	14,17	10	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

MPLK2T PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

MTKVXT PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

MW6PR9 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

N4YC2J PowerPlex® Fusion 6C (STRmix V2.5.11)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

N9RGR3 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

NEKGB6 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

NVBXHU Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		17,25		15,17	8,12	
3	10,11	14,16			11,14	9,11
	16,17	11,12	28,31		X,Y	10,12
	23,24				8,9.3	8,11
	14,17					

TABLE 1

Item / WebCode	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

NY86HB GlobalFiler™ (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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

NYLHX8 PowerPlex® Fusion 6C (STRmix 2.6.3) — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

NYMAC3 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

P68PHL 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

PA49M6 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

PR3NMV GlobalFiler™ IQC — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

PX99K2 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

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

PYZ8YY — Investigator® 24plex QS (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10				

PZT724 — GlobalFiler™ (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

Q2MELT — PowerPlex® Fusion 6C (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

Q8TYKX — GlobalFiler™ (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

QPT3AF — PowerPlex® Fusion 6C (STRmix) (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

QRC462 — PowerPlex® Fusion 6C (STRmix) (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

QXJKL3 — Investigator® 24plex QS (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	N/A
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	N/A	N/A	16,18	8,9.3	8,11
14,17	10	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 3 - STR Results

QYJZGV — Identifiler® Plus — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,25		15,17	8,12	
10,11	14,16			11,14	9,11
16,17	11,12	28,31		X,Y	10,12
23,24				8,9.3	8,11
14,17					

R2GBJ2 — PowerPlex® Fusion 6C — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

R3WLKF — PowerPlex® Fusion 6C (STRmix) — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

R8QHA7 — GlobalFiler™ (STRmix) — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

RKCULF — FlexPlex 27 — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	12,15
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24		10,13	16,18	8,9.3	8,11
14,17	10	19	15		

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

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

T3MFAV — PowerPlex® Fusion — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

TABLE 1

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

T7Q2BE — FlexPlex 27 (Item 3)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	12,15
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24		10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

T83NXU — PowerPlex® Fusion 6C (Item 3)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

THM84C — PowerPlex® Fusion 6C (STRmix) (Item 3)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

TNUCG7 — GlobalFiler™ (STRmix) (Item 3)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

TRRTTZ — GlobalFiler™ (Item 3)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

U2CJTX — PowerPlex® Fusion (Item 3)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13		8,9.3	8,11
	14,17	10				

U7PJPN — PowerPlex® Fusion 6C (Item 3)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	17,25	11,14	15,17	8,12	
	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13	16,18	8,9.3	8,11
	14,17	10	19	15		

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

U9C7HC — PowerPlex® Fusion 6C (STRmix) — Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

UBW4NU — PowerPlex® Fusion 6C (STRmix) — Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

UQQKWZ — GlobalFiler™ — Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

UYLKEY — GlobalFiler™ (STRmix) — Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

V97BEW — PowerPlex® Fusion — Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

VFR92X — Investigator® 24plex QS — Item 3

14,15	17,25	11,14	15,17	8,12	n/a
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	n/a	n/a	16,18	8,9.3	8,11
14,17	10	n/a	n/a	n/a	

VJQHDL — GlobalFiler™ (STRmix) — Item 3

14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

TABLE 1

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

Item 3 - STR Results

VPW72V	PowerPlex® Fusion 5C (STRmix)					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	9,11	10,13		8,9.3	8,11
	14,17	10				
VWCYZX	Investigator® 24plex QS					
	14,15	17,25	11,14	15,17	8,12	N/A
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24	N/A	N/A	16,18	8,9.3	8,11
	14,17	10	N/A	N/A	N/A	
VWFEDX	GlobalFiler™					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	
W23NZ2	GlobalFiler™ (STRmix)					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	
W4UMEZ	GlobalFiler™ (STRMix v 2.7)					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	
WBFW7Q	Identifiler®					
		17,25		15,17	8,12	
3	10,11	14,16			11,14	9,11
	16,17	11,12	28,31		X,Y	10,12
	23,24				8,9.3	8,11
	14,17					
WH937X	GlobalFiler™ (STRmix)					
	14,15	17,25	11,14	15,17	8,12	
3	10,11	14,16	12,13	16,19	11,14	9,11
	16,17	11,12	28,31	11,17	X,Y	10,12
	23,24			16,18	8,9.3	8,11
	14,17	10			2	

TABLE 1

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

Item 3 - STR Results

WYXW9N — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

WZN9HU — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

XB9TNC — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

XDAYZW — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

XQMUMM — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

XVHNKN — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

Y79WHH — PowerPlex® Fusion 5C — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

TABLE 1

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

Item 3 - STR Results

YAVJB6 — GlobalFiler™

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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

YD9GHR — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

YDPHKU — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

YFZEWQ — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17	10				

YRQ97Y — GlobalFiler™ (STRmix)

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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

Z6RDLP — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24	9,11	10,13	16,18	8,9.3	8,11
14,17	10	19	15		

Z7QAJZ — GlobalFiler™ (STRmix)

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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

TABLE 1

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

Item 3 - STR Results

ZA4AFQ — GlobalFiler™ (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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

ZLJ6U6 — 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
14,15	17,25	11,14	15,17	8,12	12,15
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24		10,13	16,18	8,9.3	8,11
14,17	10	19	15		

ZR9HVT — GlobalFiler™ (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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

ZTVBGV — PowerPlex® 16 HS — 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
			15,17	8,12	
10,11	14,16			11,14	9,11
16,17		28,31		X,Y	10,12
23,24	9,11	10,13		8,9.3	8,11
14,17					

ZTZDJM — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

ZUV2WQ — 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
14,15	17,25	11,14	15,17	8,12	
10,11	14,16	12,13	16,19	11,14	9,11
16,17	11,12	28,31	11,17	X,Y	10,12
23,24			16,18	8,9.3	8,11
14,17	10			2	

TABLE 1

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

Item 4 - STR Results

2BDK73	PowerPlex® 21					
	16,16.3	17,25		14,17	10,11	17,19
4	10,11	11,13		17.3,25	11,12	9,11
	17,19	14,14	29,30		X,X	12,12
	23,26	10,11	7,21		6,9	11,12
	18,18					
2BYV4Q	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X,X	12
	23,26			17.2,26.2	6,9	11,12
	18	NM			NM	
2DWK2P	PowerPlex® Fusion 5C					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21		6,9	11,12
	18,18					
2KGUDT	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					
2PW32R	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					
2XR634	PowerPlex® Fusion 6C					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					
3736HK	Identifiler®					
		17,25		14,17	10,11	
4	10,11	11,13			11,12	9,11
	17,19	14,14	29,30		X,X	12,12
	23,26				6,9	11,12
	18,18					

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

3JPXNY — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	NR			NR	

3LPDLN — Investigator® 24plex QS

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	No Results				

4DUNR7 — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18	NR	NR	NR		

4FDPLR — PowerPlex® Fusion 6C (STRMix 2.6.3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

4FJRNJ — Investigator® 24plex QS

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

4KRFZY — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

4MZE9M — PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21		6,9	11,12
18,18	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 4 - STR Results

4XJ38F PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

62BFHH GlobalFiler™ (STRmix)

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	No Results			No Results	

62ZLRA PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

64KFMP GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X,X	12
	23,26			17.2,26.2	6,9	11,12
	18	NM			NM	

69VNUL PowerPlex® Fusion

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21		6,9	11,12
	18,18					

6RBXVM PowerPlex® Fusion

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21		6,9	11,12
	18,18					

6VR7JL GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

TABLE 1

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

Item 4 - STR Results

6YREMW	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18					
7AZQ6J	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	No Results			No Results	
7CBJ9X	PowerPlex® Fusion 6C					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					
7CD7PC	PowerPlex® Fusion 6C					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					
7GQQWX	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18					
7JBRQJ	Investigator® 24plex					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	NR				
7N8G8Q	GlobalFiler™ Express					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	13.1,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18					

TABLE 1

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

Item 4 - STR Results

7P79AC — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,25		14,17	10,11	
10,11	11,13			11,12	9,11
17,19	14,4	29,30		X,X	12,12
23,26				6,9	11,12
18,18					

(Item 4)

7UFQMZ — FlexPlex27

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	17,19
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26		7,21	17.2,26.2	6,9	11,12
18,18					

(Item 4)

7WKE4B — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

(Item 4)

88XX2C — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

(Item 4)

8EVRTJ — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

(Item 4)

8R4BTY — FlexPlex27

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	17,19
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

(Item 4)

8WB2UJ — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	-
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X,X	12
23,26	-	-	17.2,26.2	6,9	11,12
18	NM	-	-	NM	

(Item 4)

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

Item						
9DDA3H	GlobalFiler™					
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	No Results			No Results	
9N3PGM	GlobalFiler™					
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					
9NUUME	GlobalFiler™					
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	No Results			No Results	
9WBBEN	Identifiler®, PowerPlex® CS7, SureID 27comp, Investigator HDplex					
4	16,16.3	17,25	10,11	14,17	10,11	17,19
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18					
9WTAKY	FlexPlex27					
4	16,16.3	17,25	10,11	14,17	10,11	17,19
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18					
A4NRCG	GlobalFiler™					
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					
A6GK8Z	PowerPlex® Fusion 6C					
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	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 4 - STR Results

A7FN2B	PowerPlex® Fusion 6C					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

AB2U9G	PowerPlex® Fusion 5C					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21		6,9	11,12
	18,18	No Results				

ABBHYC	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

AGENCT	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18					

AZ927L	PowerPlex® Fusion 6C					
	16,16.3	17,25	10,11	14,17	10,11	-
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18	-	-	-	-	

AZHF6E	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	No Results			No Results	

B4LGV4	PowerPlex® Fusion 6C					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

TABLE 1

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

Item 4 - STR Results

	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

B7DWN8 — Identifiler® Plus (Item 4)

Marker row	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		17,25		14,17	10,11	
	10,11	11,13			11,12	9,11
	17,19	14,14	29,30		X,X	12,12
	23,26				6,9	11,12
	18,18					

B7UABC — GlobalFiler™ (Item 4)

	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

BHRTTB — Identifiler® Plus (Item 4)

		17,25		14,17	10,11	
	10,11	11,13			11,12	9,11
	17,19	14,14	29,30		X,X	12,12
	23,26				6,9	11,12
	18,18					

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

	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	NR	NR	NR		

BN6F9L — GlobalFiler™ Express (Item 4)

	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	13.1,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18					

BZ4ZZE — PowerPlex® Fusion (Item 4)

	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21		6,9	11,12
	18	NR				

CLB7EB — GlobalFiler™ (Item 4)

	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	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 4 - STR Results

CXCMCR	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

D4W3HB	PowerPlex® Fusion					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21		6,9	11,12
	18	NR				

DBF7MR	FlexPlex27					
	16,16.3	17,25	10,11	14,17	10,11	17,19
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26		7,21	17.2,26.2	6,9	11,12
	18,18					

DHVXQB	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	No Results			No Results	

DM8YVF	Investigator® 24plex QS					
	16,16.3	17,25	10,11	14,17	10,11	N/A
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	N/A	N/A	17.2,26.2	6,9	11,12
	18,18	N/A	N/A	N/A	N/A	

DUA4R6	PowerPlex® Fusion 6C					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

DYFPPB	Investigator® 24plex QS					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	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 4 - STR Results

E73KG7 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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21		6,9	11,12
18,18					

E9K622 PowerPlex® Fusion 6C (Item 4)

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

EFPLWG GlobalFiler™ (Item 4)

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

EKKD6D PowerPlex® Fusion (Item 4)

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21		6,9	11,12
18,18	ND				

FDHQQH GlobalFiler™ (STRmix) (Item 4)

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	-			-	

FDVFRA Investigator® 24plex QS (Item 4)

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

FEMBF4 PowerPlex® Fusion 6C (Item 4)

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

TABLE 1

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

Item 4 - STR Results

FWQ388 — 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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18	No Results	No Results	No Results		

FZTQXV — PowerPlex® Fusion 6C

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18	NR	NR	NR		

GMFZL7 — GlobalFiler™

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	No Results			No Results	

H4JZX8 — PowerPlex® Fusion 5C

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21		6,9	11,12
18	NR				

HEX2DD — GlobalFiler™

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

HG6E27 — PowerPlex® Fusion

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21		6,9	11,12
18	NR				

HK4QW7 — PowerPlex® Fusion

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21		6,9	11,12
18	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 4 - STR Results

HKN8D9	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					
HPGB4R	PowerPlex® Fusion 6C					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	NR	NR	NR		
HT2CYE	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	0			0	
J2YQRY	Identifiler® Plus					
		17,25		14,17	10,11	
4	10,11	11,13			11,12	9,11
	17,19	14,14	29,30		X,X	12,12
	23,26				6,9	11,12
	18,18					
J7MZRC	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18					
JEWLKD	GlobalFiler™ (STRmix)					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					
JHWUNM	PowerPlex® Fusion 6C					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

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

JMM6YL — PowerPlex® Fusion 6C — Item 4

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

JPTJJ7 — GlobalFiler™ — Item 4

16,16.3	17,25	10,11	14,17	10,11	Not Tested
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	Not Tested	Not Tested	17.2,26.2	6,9	11,12
18,18	No Results	Not Tested	Not Tested	No Results	

JR4CMK — GlobalFiler™ — Item 4

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

JUMDG8 — PowerPlex® Fusion 5C — Item 4

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21		6,9	11,12
18,18	No Results				

K7ZXE9 — GlobalFiler™ — Item 4

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

KGHM37 — Investigator® 24plex QS — Item 4

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

KHAJRZ — PowerPlex® Fusion 6C — Item 4

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

TABLE 1

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

KPTUY9 — Investigator® 24plex QS

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
	16,16.3	17,25	10,11	14,17	10,11	N/A
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	N/A	N/A	17.2,26.2	6,9	11,12
	18,18	N/A	N/A	N/A	N/A	

KPX8M6 — PowerPlex® Fusion

Item 4						
	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21		6,9	11,12
	18	NR				

KVWTCJ — PowerPlex® Fusion 6C

Item 4						
	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

KYGU77 — GlobalFiler™

Item 4						
	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	No Results			No Results	

KYZNVM — FlexPlex 27

Item 4						
	16,16.3	17,25	10,11	14,17	10,11	17,19
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18					

LPRCG6 — GlobalFiler™ (STRmix)

Item 4						
	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

LWLLK9 — Investigator® 24plex QS

Item 4						
	16,16.3	17,25	10,11	14,17	10,11	N/A
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	N/A	N/A	17.2,26.2	6,9	11,12
	18,18	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 4 - STR Results

LXXG4E — GlobalFiler™ (Genemapper IDX v1.5) — Item 4

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	NR,NR
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	NR,NR	NR,NR	17.2,26.2	6,9	11,12
	18,18	NR	NR,NR	NR,NR	NR	

LZPCT9 — GlobalFiler™ — Item 4

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

M6D7F9 — GlobalFiler™ — Item 4

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

M77CK6 — PowerPlex® Fusion — Item 4

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21		6,9	11,12
	18	NR				

MH39XZ — PowerPlex® Fusion 5C (STRmix) — Item 4

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21		6,9	11,12
	18,18	No Results				

MMVF6F — GlobalFiler™ — Item 4

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18					

MPFGY2 — PowerPlex® Fusion 6C — Item 4

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	17,25	10,11	14,17	10,11	Not Tested
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	No Results	No Results	No Results	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 4 - STR Results

MPLK2T — PowerPlex® Fusion 6C

Item						
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

MTKVXT — PowerPlex® Fusion 6C

Item						
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

MW6PR9 — GlobalFiler™

Item						
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X,X	12
	23,26			17.2,26.2	6,9	11,12
	18	NM			NM	

N4YC2J — PowerPlex® Fusion 6C

Item						
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	NR	NR	NR		

N9RGR3 — GlobalFiler™

Item						
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X,X	12
	23,26			17.2,26.2	6,9	11,12
	18	NM			NM	

NEKGB6 — GlobalFiler™

Item						
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

NVBXHU — Identifiler® Plus

Item						
		17,25		14,17	10,11	
4	10,11	11,13			11,12	9,11
	17,19	14,14	29,30		X,X	12,12
	23,26				6,9	11,12
	18,18					

TABLE 1

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

Item 4 - STR Results

NY86HB — GlobalFiler™ (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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

NYLHX8 — PowerPlex® Fusion 6C — Item 4

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

NYMAC3 — PowerPlex® Fusion — Item 4

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21		6,9	11,12
18	NR				

P68PHL — PowerPlex® Fusion 6C (STRmix) — Item 4

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18	NR	NR	NR		

PA49M6 — GlobalFiler™ — Item 4

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

PR3NMV — GlobalFiler™ IQC — Item 4

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

PX99K2 — PowerPlex® Fusion 6C — Item 4

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18	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 4 - STR Results

PYZ8YY — Investigator® 24plex QS

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	No Results				

PZT724 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

Q2MELT — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

Q8TYKX — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	No Results			No Results	

QPT3AF — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	NR	NR	NR		

QRC462 — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18					

QXJKL3 — Investigator® 24plex QS, FLEX PLEX 27

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16,16.3	17,25	10,11	14,17	10,11	17,19
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	N/A	7,21	17.2,26.2	6,9	11,12
	18,18	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 4 - STR Results

QYJZGV — 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
	17,25		14,17	10,11	
10,11	11,13			11,12	9,11
17,19	14,14	29,30		X,X	12,12
23,26				6,9	11,12
18,18					

R2GBJ2 — 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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18	No Results	No Results	No Results		

R3WLKF — 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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

R8QHA7 — GlobalFiler™ (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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	--			--	

RKCULF — 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
16,16.3	17,25	10,11	14,17	10,11	17,19
10,11	11,13	14,17		11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26		7,21	17.2,26.2	6,9	11,12
18,18					

RYXAPF — 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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

T3MFAV — 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
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21		6,9	11,12
18,18	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 4 - STR Results

T7Q2BE — 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
16,16.3	17,25	10,11	14,17	10,11	17,19
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18					

T83NXU — PowerPlex® Fusion 6C — Item 4

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18	No Results	No Results	No Results		

THM84C — PowerPlex® Fusion 6C — Item 4

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18,18	NR	NR	NR		

TNUCG7 — GlobalFiler™ (STRmix) — Item 4

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26			17.2,26.2	6,9	11,12
18,18	--			--	

TRRTTZ — GlobalFiler™ — Item 4

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

U2CJTX — PowerPlex® Fusion — Item 4

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26	10,11	7,21		6,9	11,12
18,18	ND				

U7PJPN — PowerPlex® Fusion 6C — Item 4

16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26	10,11	7,21	17.2,26.2	6,9	11,12
18					

TABLE 1

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

Item 4 - STR Results

U9C7HC   PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	NR	NR	NR		

UBW4NU   PowerPlex® Fusion 6C

Item						
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	No Results	No Results	No Results		

UQQKWZ   GlobalFiler™

Item						
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X,X	12
	23,26			17.2,26.2	6,9	11,12
	18	NM			NM	

UYLKEY   GlobalFiler™

Item						
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

V97BEW   PowerPlex® Fusion

Item						
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21		6,9	11,12
	18,18	ND				

VFR92X   Investigator® 24plex QS

Item						
4	16,16.3	17,25	10,11	14,17	10,11	n/a
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	n/a	n/a	17.2,26.2	6,9	11,12
	18,18	n/a	n/a	n/a	n/a	

VJQHDL   GlobalFiler™ (STRmix)

Item						
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

TABLE 1

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

Item 4 - STR Results

VPW72V	PowerPlex® Fusion 5C					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21		6,9	11,12
	18,18	No Results				

VWCYZX	Investigator® 24plex QS					
	16,16.3	17,25	10,11	14,17	10,11	N/A
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	N/A	N/A	17.2,26.2	6,9	11,12
	18,18	N/A	N/A	N/A	N/A	

VWFEDX	GlobalFiler™					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

W23NZ2	GlobalFiler™ (STRmix)					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	--			--	

W4UMEZ	GlobalFiler™ (STRMix v 2.7)					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

WBFW7Q	Identifiler®					
		17,25		14,17	10,11	
4	10,11	11,13			11,12	9,11
	17,19	14,14	29,30		X,X	12,12
	23,26				6,9	11,12
	18,18					

WH937X	GlobalFiler™ (STRmix)					
	16,16.3	17,25	10,11	14,17	10,11	
4	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					

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

WYXW9N	PowerPlex® Fusion 6C					
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18					
WZN9HU	GlobalFiler™					
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	No Results			No Results	
XB9TNC	PowerPlex® Fusion 6C					
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18	NR	NR	NR		
XDAYZW	GlobalFiler™					
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X,X	12
	23,26			17.2,26.2	6,9	11,12
	18	NM			NM	
XQMUMM	PowerPlex® Fusion 6C					
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18					
XVHNKN	GlobalFiler™					
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26			17.2,26.2	6,9	11,12
	18					
Y79WHH	PowerPlex® Fusion 5C					
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21		6,9	11,12
	18	NA				

Revised: January 26, 2024. Summary Comments Update   (110)

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

YAVJB6	GlobalFiler™					
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18					
YD9GHR	PowerPlex® Fusion					
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21		6,9	11,12
	18,18					
YDPHKU	PowerPlex® Fusion					
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21		6,9	11,12
	18	NR				
YFZEWQ	PowerPlex® Fusion					
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14	29,30	16,17	X	12
	23,26	10,11	7,21		6,9	11,12
	18	NR				
YRQ97Y	GlobalFiler™ (STRmix)					
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18					
Z6RDLP	PowerPlex® Fusion 6C					
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26	10,11	7,21	17.2,26.2	6,9	11,12
	18,18		No Results	No Results		
Z7QAJZ	GlobalFiler™ (STRmix)					
4	16,16.3	17,25	10,11	14,17	10,11	
	10,11	11,13	14,17	17.3,25	11,12	9,11
	17,19	14,14	29,30	16,17	X,X	12,12
	23,26			17.2,26.2	6,9	11,12
	18,18	--			--	

TABLE 1

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

Item 4 - STR Results

ZA4AFQ — GlobalFiler™ (STRmix) — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

ZLJ6U6 — FlexPlex27 — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	17,19
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14,14	29,30	16,17	X,X	12,12
23,26		7,21	17.2,26.2	6,9	11,12
18,18					

ZR9HVT — GlobalFiler™ — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

ZTVBGV — PowerPlex® 16 HS — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
			14,17	10,11	
10,11	11,13			11,12	9,11
17,19		29,30		X,X	12,12
23,26	10,11	7,21		6,9	11,12
18,18					

ZTZDJM — GlobalFiler™ — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

ZUV2WQ — GlobalFiler™ — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	17,25	10,11	14,17	10,11	
10,11	11,13	14,17	17.3,25	11,12	9,11
17,19	14	29,30	16,17	X	12
23,26			17.2,26.2	6,9	11,12
18					

YSTR Amplification Kit(s) & Results

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

2BYV4Q — Yfiler™

Item									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12

2J7RQU — Yfiler™ Plus

Item									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	>40	15	16	10	27
	39	12		19	15	20	21		12

2KGUDT — Yfiler™ Plus

Item									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12

4DUNR7 — Yfiler™

Item									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12

4KRFZY — Yfiler™

Item									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12

4YUVXN — PowerPlex® Y 23

Item									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		27
	12	11		19	15		21	13	12

64KFMP — Yfiler™

Item									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12

69VNUL — PowerPlex® Y 23

Item									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		27
	12	11		19	15		21	13	12

6RBXVM — PowerPlex® Y 23

Item									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		27
	12	11		19	15		21	13	12

6V8MCU — Yfiler™ Plus

Item									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	>40	15	16	10	27
	39	12		19	15	20	21		12

6VR7JL — Yfiler™ Plus

Item									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16	10	27
	39	12		19	15	20	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									
7GQQWX — Yfiler™									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12
7JBRQJ — PowerPlex® Y 23									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		27
	12	11	19	15			21	13	12
8WB2UJ — Yfiler™									
	-	15	15,18	13	31	21	10	11	13
2	14	11	11	21	-	15	16	-	-
	-	-	-	-	-	-	21	-	12
9N3PGM — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
9WBBEN — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
A4NRCG — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
A6GK8Z — Yfiler™									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12
AH7KZM — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	>40	15	16	10	27
	39	12		19	15	20	21		12
B7UABC — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	---	15	16	10	27
	39	12		19	15	20	21		12
BE4XNB — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
BLKEEY — Yfiler™									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12
BZ4ZZE — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	NR	15	16	10	27
	39	12		19	15	20	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
D4W3HB — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	NR	15	16	10	27
	39	12		19	15	20	21		12
E267TG — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	>40	15	16	10	27
	39	12		19	15	20	21		12
E89AGU — Yfiler™									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12
EFPLWG — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
EKKD6D — PowerPlex® Y 23									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		27
		12	11	19	15		21	13	12
EXNY6G — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	>40	15	16	10	27
	39	12		19	15	20	21		12
FDHQQH — PowerPlex® Y 23									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		27
		12	11	19	15		21	13	12
FNEWJG — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	>40	15	16	10	27
	39	12		19	15	20	21		12
FWQ388 — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	>41	15	16	10	27
	39	12		19	15	20	21		12
FZTQXV — Yfiler™									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12
H2R49D — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	>40	15	16	10	27
	39	12		19	15	20	21		12
H4JZX8 — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	NR	15	16	10	27
	39	12		19	15	20	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

HFDJCC — 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
HFDJCC	36,38	15	15,18	13	31	21	10	11	13
Yfiler™ Plus	14	11	11	21	>40	15	16	10	27
2	39	12		19	15	20	21		12
HG6E27	36,38	15	15,18	13	31	21	10	11	13
Yfiler™ Plus	14	11	11	21	NR	15	16	10	27
2	39	12		19	15	20	21		12
HJCU9C	36,38	15	15,18	13	31	21	10	11	13
Yfiler™ Plus	14	11	11	21	>40	15	16	10	27
2	39	12		19	15	20	21		12
HK4QW7	36,38	15	15,18	13	31	21	10	11	13
Yfiler™ Plus	14	11	11	21	NR	15	16	10	27
2	39	12		19	15	20	21		12
HKN8D9	36,38	15	15,18	13	31	21	10	11	13
Yfiler™ Plus	14	11	11	21		15	16	10	27
2	39	12		19	15	20	21		12
HPGB4R		15	15,18	13	31	21	10	11	13
Yfiler™	14	11	11	21		15	16		
2							21		12
HT2CYE	36,38	15	15,18	13	31	21	10	11	13
Yfiler™ Plus	14	11	11	21	>41	15	16	10	27
2	39	12		19	15	20	21		12
JMM6YL		15	15,18	13	31	21	10	11	13
PowerPlex® Y 23	14	11	11	21		15	16		27
2		12	11	19	15		21	13	12
JPTJJ7	36,38	15	15,18	13	31	21	10	11	13
Yfiler™ Plus	14	11	11	21	OL > 40	15	16	10	27
2	39	12	Not Tested	19	15	20	21	Not Tested	12
KM7BXB	36,38	15	15,18	13	31	21	10	11	13
Yfiler™ Plus	14	11	11	21	>40	15	16	10	27
2	39	12		19	15	20	21		12
KPX8M6	36,38	15	15,18	13	31	21	10	11	13
Yfiler™ Plus	14	11	11	21	NR	15	16	10	27
2	39	12		19	15	20	21		12
KVWTCJ		15	15,18	13	31	21	10	11	13
PowerPlex® Y 23	14	11	11	21		15	16		27
2		12	11	19	15		21	13	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	col1	col2	col3	col4	col5	col6	col7	col8	col9
L3U6KL — Yfiler™		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12
LZPCT9 — Yfiler™ Plus	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
M77CK6 — Yfiler™ Plus	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	NR	15	16	10	27
	39	12		19	15	20	21		12
MH39XZ — Yfiler™ Plus	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	>40	15	16	10	27
	39	12		19	15	20	21		12
MW6PR9 — Yfiler™		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12
N4YC2J — Yfiler™		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12
N9RGR3 — Yfiler™		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12
NEKGB6 — Yfiler™ Plus	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
NYMAC3 — Yfiler™ Plus	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	NR	15	16	10	27
	39	12		19	15	20	21		12
P68PHL — Yfiler™		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12
PA49M6 — Yfiler™ Plus	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
PY38M7 — Yfiler™ Plus	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	>40	15	16	10	27
	39	12		19	15	20	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

PZT724 — Yfiler™ Plus

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12

QAWU42 — PowerPlex® Y 23

		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		27
	12	11	19	15		21	13		12

QPDJPH — Yfiler™

		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12

QPT3AF — Yfiler™

		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12

QRC462 — PowerPlex® Y 23

		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		27
	12	11	19	15		21	13		12

R2GBJ2 — PowerPlex® Y 23

		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		27
	12	11	19	15		21	13		12

RDGRK6 — Yfiler™ Plus

	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	>40	15	16	10	27
	39	12		19	15	20	21		12

THM84C — Yfiler™

		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12

TRRTTZ — Yfiler™ Plus

	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12

U2CJTX — PowerPlex® Y 23

		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		27
	12	11	19	15		21	13		12

U3NJPR — Yfiler™ Plus

	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12

U9C7HC — Yfiler™

		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12

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

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
UQQKWZ — Yfiler™									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12
V97BEW — PowerPlex® Y 23									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		27
	12	11	19	15			21	13	12
VWFEDX — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
WFN2CB — Yfiler™									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12
WHTFWV — PowerPlex® Y 23									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		27
	12	11	19	15			21	13	12
WYXW9N — PowerPlex® Y 23									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		27
	12	11	19	15			21	13	12
WZN9HU — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	OL >41	15	16	10	27
	39	12		19	15	20	21		12
XB9TNC — Yfiler™									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12
XBMEYY — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	>40	15	16	10	27
	39	12		19	15	20	21		12
XDAYZW — Yfiler™									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							21		12
XVHNKN — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
YAVJB6 — Yfiler™									
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		
							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

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
YD9GHR	PowerPlex® Y 23								
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		27
		12	11	19	15		21	13	12
YDPHKU	Yfiler™ Plus								
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	NR	15	16	10	27
	39	12		19	15	20	21		12
YFZEWQ	Yfiler™ Plus								
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	NR	15	16	10	27
	39	12		19	15	20	21		12
ZMB2HY	Yfiler™ Plus								
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21	>40	15	16	10	27
	39	12		19	15	20	21		12
ZTVBGV	PowerPlex® Y 23								
		15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16		27
		12	11	19	15		21	13	12
ZTZDJM	Yfiler™ Plus								
	36,38	15	15,18	13	31	21	10	11	13
2	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12

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

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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
2BYV4Q	Yfiler™								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		
							21		12
2KGUDT	Yfiler™ Plus								
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
4DUNR7	Yfiler™								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		
							21		12
4KRFZY	Yfiler™								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		
							21		12
64KFMP	Yfiler™								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		
							21		12
69VNUL	PowerPlex® Y 23								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		27
	12	11	19	15			21	13	12
6RBXVM	PowerPlex® Y 23								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		27
	12	11	19	15			21	13	12
6VR7JL	Yfiler™ Plus								
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
7GQQWX	Yfiler™								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		
							21		12
7JBRQJ	PowerPlex® Y 23								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		27
	12	11	19	15			21	13	12
8WB2UJ	Yfiler™								
	-	15	15,18	13	31	21	10	11	13
3	14	11	11	21	-	15	16	-	-
	-	-	-	-	-	-	21	-	12
9N3PGM	Yfiler™ Plus								
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16	10	27
	39	12		19	15	20	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

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9WBBEN	Yfiler™ Plus								
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
A4NRCG	Yfiler™ Plus								
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
A6GK8Z	Yfiler™								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		
							21		12
B7UABC	Yfiler™ Plus								
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21	---	15	16	10	27
	39	12		19	15	20	21		12
BE4XNB	Yfiler™ Plus								
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
BZ4ZZE	Yfiler™ Plus								
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21	NR	15	16	10	27
	39	12		19	15	20	21		12
D4W3HB	Yfiler™ Plus								
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21	NR	15	16	10	27
	39	12		19	15	20	21		12
EFPLWG	Yfiler™ Plus								
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
EKKD6D	PowerPlex® Y 23								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		27
	12	11		19	15		21	13	12
FDHQQH	PowerPlex® Y 23								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		27
	12	11		19	15		21	13	12
FWQ388	Yfiler™ Plus								
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21	>41	15	16	10	27
	39	12		19	15	20	21		12
FZTQXV	Yfiler™								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		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

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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
H4JZX8 — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21	NR	15	16	10	27
	39	12		19	15	20	21		12
HG6E27 — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21	NR	15	16	10	27
	39	12		19	15	20	21		12
HK4QW7 — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21	NR	15	16	10	27
	39	12		19	15	20	21		12
HKN8D9 — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
HPGB4R — Yfiler™									
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		
							21		12
HT2CYE — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21	>41	15	16	10	27
	39	12		19	15	20	21		12
JMM6YL — PowerPlex® Y 23									
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		27
		12	11	19	15		21	13	12
JPTJJ7 — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21	OL > 40	15	16	10	27
	39	12	Not Tested	19	15	20	21	Not Tested	12
KPX8M6 — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21	NR	15	16	10	27
	39	12		19	15	20	21		12
KVWTCJ — PowerPlex® Y 23									
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		27
		12	11	19	15		21	13	12
LZPCT9 — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
M77CK6 — Yfiler™ Plus									
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21	NR	15	16	10	27
	39	12		19	15	20	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**

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MH39XZ	PowerPlex® Y 23								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		27
		12	11	19	15		21	13	12
MW6PR9	Yfiler™								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		
							21		12
N4YC2J	Yfiler™								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		
							21		12
N9RGR3	Yfiler™								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		
							21		12
NEKGB6	Yfiler™ Plus								
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
NYMAC3	Yfiler™ Plus								
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21	NR	15	16	10	27
	39	12		19	15	20	21		12
PA49M6	Yfiler™ Plus								
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
PZT724	Yfiler™ Plus								
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
QPT3AF	Yfiler™								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		
							21		12
QRC462	PowerPlex® Y 23								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		27
		12	11	19	15		21	13	12
R2GBJ2	PowerPlex® Y 23								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		27
		12	11	19	15		21	13	12
THM84C	Yfiler™								
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		
							21		12

TABLE 2

WebCode / Item	Amplification Kit								
WebCode	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

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
TRRTTZ — Yfiler™ Plus	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
U2CJTX — PowerPlex® Y 23		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		27
	12	11		19	15		21	13	12
U3NJPR — Yfiler™ Plus	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
U9C7HC — Yfiler™		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		
							21		12
UQQKWZ — Yfiler™		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		
							21		12
V97BEW — PowerPlex® Y 23		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		27
	12	11		19	15		21	13	12
VWFEDX — Yfiler™ Plus	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16	10	27
	39	12		19	15	20	21		12
WYXW9N — PowerPlex® Y 23		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		27
	12	11		19	15		21	13	12
WZN9HU — Yfiler™ Plus	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21	OL >41	15	16	10	27
	39	12		19	15	20	21		12
XB9TNC — Yfiler™		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		
							21		12
XDAYZW — Yfiler™		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		
							21		12
XVHNKN — Yfiler™ Plus	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16	10	27
	39	12		19	15	20	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 3 - YSTR Results

YAVJB6 — Yfiler™ — Item 3

	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
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		
							21		12

YD9GHR — PowerPlex® Y 23 — Item 3

	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
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		27
		12	11	19	15		21	13	12

YDPHKU — Yfiler™ Plus — Item 3

	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
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21	NR	15	16	10	27
	39	12		19	15	20	21		12

YFZEWQ — Yfiler™ Plus — Item 3

	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
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21	NR	15	16	10	27
	39	12		19	15	20	21		12

ZTVBGV — PowerPlex® Y 23 — Item 3

	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
		15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16		27
		12	11	19	15		21	13	12

ZTZDJM — Yfiler™ Plus — Item 3

	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
	36,38	15	15,18	13	31	21	10	11	13
3	14	11	11	21		15	16	10	27
	39	12		19	15	20	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 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
69VNUL 4	N								
7GQQWX 4	Yfiler™								
9WBBEN 4	Yfiler™ Plus								
BZ4ZZE	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
D4W3HB	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
H4JZX8	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
HG6E27	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
HK4QW7	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
HT2CYE	Yfiler™ Plus								
	0,0	0	0,0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
	0	0		0	0	0	0		0
KPX8M6	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
M77CK6	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
MH39XZ	PowerPlex® Y 23								
		No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
4	No Results	No Results	No Results	No Results		No Results	No Results		No Results
		No Results	No Results	No Results	No Results		No Results	No Results	No Results

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

NYMAC3	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR

V97BEW	PowerPlex® Y 23								
	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	ND	ND	ND	ND		ND	ND		ND
	ND	ND	ND	ND		ND	ND	ND	ND

YAVJB6	Yfiler™								
4									

YDPHKU	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR

YFZEWQ	Yfiler™ Plus								
	NR	NR	NR	NR	NR	NR	NR	NR	NR
4	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR

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
D10S1435	9WBBEN	12,14	12,14	12,14			12,14		
D10S2325	9WBBEN	11,12	9,11	9,11			11,12		
D11S2368	9WBBEN	19,21	17,19	17,19			19,21		
D13S325	9WBBEN	19,20	22,22	22,22			19,20		
D14S1434	9WBBEN	10,13	13,14	13,14			10,13		
D15S659	9WBBEN	18,18	12,13	12,13			18,18		
D17S1301	9WBBEN	12,12	12,13	12,13			12,12		
D18S1364	9WBBEN	13,15	15,18	15,18			13,15		
D19S253	9WBBEN	12,12	11,12	11,12			12,12		
D20S482	9WBBEN	14,14	14,15	14,15			14,14		
D21S2055	9WBBEN	31,36	30,37	30,37			31,36		
D22GATA198B05	9WBBEN	17,22	16,20	16,20			17,22		
D2S1360	9WBBEN	22,28	20,24	20,24			22,28		
D3S1744	9WBBEN	17,20	17,17	17,17			17,20		
D3S3045	9WBBEN	10,12	13,13	13,13			10,12		
D4S2366	9WBBEN	9,11	11.2,12	11.2,12			9,11		
D5S2500	9WBBEN	11,17	13,15	13,15			11,17		
D5S2800	9WBBEN	17,23	14,20	14,20			17,23		
D6S474	9WBBEN	14,16	13,15	13,15			14,16		
D6S477	9WBBEN	14,15	10.2,14	10.2,14			14,15		
D7S1517	9WBBEN	22,24	22,22	22,22			22,24		
D7S3048	9WBBEN	18,23	19,27	19,27			18,23		
D8S1132	9WBBEN	18,23	15,23	15,23			18,23		
D9S1122	9WBBEN	11,13	12,12	12,12			11,13		
F13A01	9WBBEN	3.2,6	5,7	5,7			3.2,6		
F13B	9WBBEN	10,10	7,10	7,10			10,10		

TABLE 3

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
FESFPS	9WBBEN	11,12	8,10	8,10			11,12		
LPL	9WBBEN	12,12	7,10	7,10			12,12		
PENTA_C	9WBBEN	11,11	7,12	7,12			11,11		
QS1	DM8YVF	Q	Q	Q			Q		
QS2	DM8YVF	S	S	S			S		

DNA Interpretations

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

TABLE 4

WebCode	Victim (Item 1) Item 3	Item 4	Suspect (Item 2) Item 3	Item 4	WebCode	Victim (Item 1) Item 3	Item 4	Suspect (Item 2) Item 3	Item 4
2BDK73	No	Yes	Yes	No	64KFMP	No	Yes	Yes	No
2BYV4Q	No	Yes	Yes	No	69VNUL	No	Yes	Yes	No
2D3N4G	No Interpretations Reported, DNA Analyzed for Database purposes only.				6RBXVM	No	Yes	Yes	No
2DWK2P	No	Yes	Yes	No	6V8MCU	No Interpretations Reported, DNA Analyzed for Database purposes only.			
2J7RQU	No Interpretations Reported, DNA Analyzed for Database purposes only.				6VR7JL	No	Yes	Yes	No
2KGUDT	No	Yes	Yes	No	6YREMW	No	Yes	Yes	No
2PW32R	No	Yes	Yes	No	7AZQ6J	No	Yes	Yes	No
2XR634	No	Yes	Yes	No	7CBJ9X	No	Yes	Yes	No
3736HK	No	Yes	Yes	No	7CD7PC	No	Yes	Yes	No
3JPXNY	No	Yes	Yes	No	7GQQWX	No Interpretations Reported, DNA Analyzed for Database purposes only.			
3LPDLN	No	Yes	Yes	No	7JBRQJ	No	Yes	Yes	No
4DUNR7	No	Yes	Yes	No	7N8G8Q	No	Yes	Yes	No
4FDPLR	No	Yes	Yes	No	7P79AC	No	Yes	Yes	No
4FJRNJ	No	Yes	Yes	No	7UFQMZ	No	Yes	Yes	No
4KRFZY	No Interpretations Reported, DNA Analyzed for Database purposes only.				7WKE4B	No	Yes	Yes	No
4MZE9M	No	Yes	Yes	No	88XX2C	No	Yes	Yes	No
4XJ38F	No	Yes	Yes	No	8EVRTJ	No	Yes	Yes	No
4YUVXN	No Interpretations Reported, DNA Analyzed for Database purposes only.				8R4BTY	No	Yes	Yes	No
62BFHH	No	Yes	Yes	No	8WB2UJ	No	Yes	Yes	No
62ZLRA	No	Yes	Yes	No	9DDA3H	No	Yes	Yes	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
9N3PGM	No	Yes	Yes	No	CLB7EB	No	Yes	Yes	No
9NUUME	No	Yes	Yes	No	CXCMCR	No	Yes	Yes	No
9WBBEN	No	Yes	Yes	No	D4W3HB	No	Yes	Yes	No
9WTAKY	No	Yes	Yes	No	DBF7MR	No	Yes	Yes	No
A4NRCG	No	Yes	Yes	No	DHVXQB	No	Yes	Yes	No
A6GK8Z	No	Yes	Yes	No	DM8YVF	No	Yes	Yes	No
A7FN2B	No	Yes	Yes	No	DUA4R6	No	Yes	Yes	No
AB2U9G	No	Yes	Yes	No	DYFPPB	No	Yes	Yes	No
ABBHYC	No	Yes	Yes	No	E267TG	No Interpretations Reported, DNA Analyzed for Database purposes only.			
AGENCT	No Interpretations Reported, DNA Analyzed for Database purposes only.				E73KG7	No	Yes	Yes	No
AH7KZM	No Interpretations Reported, DNA Analyzed for Database purposes only.				E89AGU	No Interpretations Reported, DNA Analyzed for Database purposes only.			
AZ927L	No	Yes	Yes	No	E9K622	No	Yes	Yes	No
AZHF6E	No	Yes	Yes	No	EFPLWG	No	Yes	Yes	No
B4LGV4	No	Yes	Yes	No	EKKD6D	No	Yes	Yes	No
B7DWN8	No	Yes	Yes	No	EXNY6G	No Interpretations Reported, DNA Analyzed for Database purposes only.			
B7UABC	No	Yes	Yes	No	FDHQQH	No	Yes	Yes	No
BE4XNB	No Interp	No Interp	Yes	No Interp	FDVFRA	No	Yes	Yes	No
BHRTTB	No	Yes	Yes	No	FEMBF4	No	Yes	Yes	No
BLKEEY	No	Yes	Yes	No	FNEWJG	No Interpretations Reported, DNA Analyzed for Database purposes only.			
BN6F9L	No	Yes	Yes	No	FWQ388	No	Yes	Yes	No
BZ4ZZE	No	Yes	Yes	No	FZTQXV	No	Yes	Yes	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
GMFZL7	No	Yes	Yes	No	KGHM37	No	Yes	Yes	No
H2R49D	No Interpretations Reported, DNA Analyzed for Database purposes only.				KHAJRZ	No	Yes	Yes	No
H4JZX8	No	Yes	Yes	No	KM7BXB	No Interpretations Reported, DNA Analyzed for Database purposes only.			
HEX2DD	No	Yes	Yes	No	KPTUY9	No	Yes	Yes	No
HFDJCC	No Interpretations Reported, DNA Analyzed for Database purposes only.				KPX8M6	No	Yes	Yes	No
HG6E27	No	Yes	Yes	No	KVWTCJ	No	Yes	Yes	No
HJCU9C	No Interpretations Reported, DNA Analyzed for Database purposes only.				KYGU77	No	Yes	Yes	No
HK4QW7	No	Yes	Yes	No	KYZNVM	No	Yes	Yes	No
HKN8D9	No	Yes	Yes	No	L3U6KL	No Interpretations Reported, DNA Analyzed for Database purposes only.			
HPGB4R	No	Yes	Yes	No	LPRCG6	No	Yes	Yes	No
HT2CYE	No	Yes	Yes	No	LWLLK9	No	Yes	Yes	No
J2YQRY	No	Yes	Yes	No	LXXG4E	No	Yes	Yes	No
J7MZRC	No	Yes	Yes	No	LZPCT9	No	Yes	Yes	No
J8WZVX	No Interpretations Reported, DNA Analyzed for Database purposes only.				M6D7F9	No	Yes	Yes	No
JEWLKD	No	Yes	Yes	No	M77CK6	No	Yes	Yes	No
JHWUNM	No	Yes	Yes	No	MB6LWT	No Interpretations Reported, DNA Analyzed for Database purposes only.			
JMM6YL	No	Yes	Yes	No	MH39XZ	No	Yes	Yes	No
JPTJJ7	No	Yes	Yes	No	MMVF6F	No Interpretations Reported, DNA Analyzed for Database purposes only.			
JR4CMK	No Interpretations Reported, DNA Analyzed for Database purposes only.				MPFGY2	No	Yes	Yes	No
JUMDG8	No	Yes	Yes	No	MPLK2T	No	Yes	Yes	No
K7ZXE9		Yes	Yes		MTKVXT	No	Yes	Yes	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
MW6PR9	No	Yes	Yes	No	QUNP6P	No Interpretations Reported, DNA Analyzed for Database purposes only.			
N4YC2J	No	Yes	Yes	No	QXJKL3	No	Yes	Yes	No
N9RGR3	No	Yes	Yes	No	QYJZGV	No	Yes	Yes	No
NEKGB6	No	Yes	Yes	No	R2GBJ2	No Interpretations Reported, DNA Analyzed for Database purposes only.			
NVBXHU	No	Yes	Yes	No	R3WLKF	No	Yes	Yes	No
NY86HB	No	Yes	Yes	No	R6GMF2	No Interpretations Reported, DNA Analyzed for Database purposes only.			
NYLHX8	No	Yes	Yes	No	R8QHA7	No	Yes	Yes	No
NYMAC3	No	Yes	Yes	No	R92KW6	No Interpretations Reported, DNA Analyzed for Database purposes only.			
P68PHL	No	Yes	Yes	No	RDGRK6	No Interpretations Reported, DNA Analyzed for Database purposes only.			
PA49M6	No	Yes	Yes	No	RKCULF	No	Yes	Yes	No
PR3NMV	No	Yes	Yes	No	RYXAPF	No	Yes	Yes	No
PX99K2	No	Yes	Yes	No	T3MFAV	No	Yes	Yes	No
PY38M7	No Interpretations Reported, DNA Analyzed for Database purposes only.				T7Q2BE	No	Yes	Yes	No
PYZ8YY	No	Yes	Yes	No	T83NXU	No	Yes	Yes	No
PZT724	No	Yes	Yes	No	THM84C	No	Yes	Yes	No
Q2MELT	No	Yes	Yes	No	TNUCG7	No	Yes	Yes	No
Q8TYKX	No	Yes	Yes	No	TRRTTZ	No	Yes	Yes	No
QAWU42	No Interpretations Reported, DNA Analyzed for Database purposes only.				U2CJTX	No	Yes	Yes	No
QPDJPH	No Interpretations Reported, DNA Analyzed for Database purposes only.				U3NJPR	No Interp	No Interp	Yes	No Interp
QPT3AF	No	Yes	Yes	No	U7PJPN	No	Yes	Yes	No
QRC462	No	Yes	Yes	No	U9C7HC	No	Yes	Yes	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
UBW4NU	No	Yes	Yes	No	XVHNKN	No	Yes	Yes	No
UQQKWZ	No	Yes	Yes	No	Y79WHH	No	Yes	Yes	No
UYLKEY	No	Yes	Yes	No	YAVJB6	No Interpretations Reported, DNA Analyzed for Database purposes only.			
V97BEW	No	Yes	Yes	No	YD9GHR	No	Yes	Yes	No
VFR92X	No	Yes	Yes	No	YDPHKU	No	Yes	Yes	No
VJQHDL	No	Yes	Yes	No	YFZEWQ	No	Yes	Yes	No
VPW72V	No	Yes	Yes	No	YRQ97Y	No	Yes	Yes	No
VWCYZX	No	Yes	Yes	No	Z6RDLP	No	Yes	Yes	No
VWFEDX	No	Yes	Yes	No	Z7QAJZ	No	Yes	Yes	No
W23NZ2	No	Yes	Yes	No	ZA4AFQ	No	Yes	Yes	No
W4UMEZ	No	Yes	Yes	No	ZLJ6U6	No	Yes	Yes	No
WBFW7Q	No	Yes	Yes	No	ZMB2HY	No Interpretations Reported, DNA Analyzed for Database purposes only.			
WFN2CB	No Interpretations Reported, DNA Analyzed for Database purposes only.				ZR9HVT	No	Yes	Yes	No
WH937X	No	Yes	Yes	No	ZTVBGV	No	Yes	Yes	No
WHTFWV	No Interpretations Reported, DNA Analyzed for Database purposes only.				ZTZDJM	No	Yes	Yes	No
WYXW9N	No	Yes	Yes	No	ZUV2WQ	No	Yes	Yes	No
WZN9HU	No	Yes	Yes	No	ZYLKRU	No Interpretations Reported, DNA Analyzed for Database purposes only.			
XB9TNC	No	Yes	Yes	No					
XBMEYY	No Interpretations Reported, DNA Analyzed for Database purposes only.								
XDAYZW	No	Yes	Yes	No					
XQMUMM	No	Yes	Yes	No					

DNA Interpretation

Response Summary   **Participants reporting DNA results: 204**

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	0	167	169	0
No	166	0	0	166
Inc	0	0	0	0
No Interpretation	2	2	0	2
No Response	1	0	0	1

Participants analyzing DNA for database purposes only: 35

Additional Comments
TABLE 5

WebCode	Additional Comments
2BYV4Q	Extraction: Item 1 and Item 2 were extracted using in situ method. Item 3 and Item 4 was extracted using QIAsymphony DNA Investigator Kit (bloodstain extraction method). Item 2 was extracted using Chelex method for YSTR analysis. Quantification: Item 3, Item 4 and Item 2 (Chelex extraction method) were quantified using Quantifiler Trio DNA Quantification kit on RT-PCR QuantStudio 5 System. Amplification: Item 1 and Item 2 were amplified using Globalfiler Express (GFE) kit on ABI Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler STR kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 2 and Item 3 using AmFlSTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis of GlobalFiler was carried out on Genetic Analyzer 3500xL for Item 1, Item 2, Item 3 and Item 4. Electrophoresis of Y-Filer was carried out on Genetic Analyzer 3500xL for Item 2 and Item 3. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM - Non Male profile.
2DWK2P	Y-STR not performed.
3LPDLN	Authorized to report STRs. Not authorized for Y-STRs.
4DUNR7	NR= No result
4MZE9M	Authorized to report STRs. Not authorized to report YSTRs.
4YUVXN	Databasing only; not authorized to process/report evidence samples.
62BFHH	Not authorized to report YSTRs.
64KFMP	Extraction: Item 1 and Item 2 were extracted using the in-situ extraction method while Item 3 and Item 4 were extracted using the Chelex extraction method. Quantification: Item 3 and Item 4 were quantified using the Quantifiler Human DNA Quantification kit on the Applied Biosystem QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using the Globalfiler Express PCR Amplification kit on the 9700 GeneAmp PCR System while Item 3 and Item 4 were amplified using the Globalfiler PCR Amplification kit on the 9700 GeneAmp PCR System. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 2 and Item 3 using the AmpFlSTR Y-filer PCR Amplification kit on the 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on the Applied Biosystems 3500xL Genetic Analyzer with GeneMapper ID-X Software for Item 1 and Item 2 (Globalfiler Express) and Item 3 and Item 4 (Globalfiler). Electrophoresis for Y-Filer was carried out on the Applied Biosystems 3500xl Genetic Analyzer with GeneMapper ID-X Software for Item 2 and Item 3. Quality Control: Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results. Abbreviation: NM : Non-male Profile.
69VNUL	Human blood confirmed on Items 3 and 4 using Hematrace testing. Items 1 and 2 processed as Direct Amp as well as extracted and processed.
6RBXVM	Testing for the presence of human blood was performed with the ABAcard HemaTrace test kit. This kit is known to cross-react with some species of the Mustelidae family and with higher primates.
6YREMW	An allele (1) at Y-indel was observed in PCR1/RUN1 in item 4. This allele was not reproducible in PCR2/RUN1 but was reproducible in PCR1/RUN2, consistent with a drop-in or low level contamination event. Quantification value for Y = UNDET. The DNA result from item 4 is considered to be single source, with a noted drop in /low level contamination event.
7AZQ6J	Authorized to report STRs. Not authorized to report YSTRs.
7JBRQJ	NR = No Results
7N8G8Q	Item 4 D19 results are 13.1,14. Allele 13.1 is ~40% of the peak height of allele 14 and could be an artifact. However, these results were reproducible upon reanalysis of the sample and is also observed in Item 1. Therefore, 13.1,14 was reported for both Item 1 and Item 4.

TABLE 5

WebCode	Additional Comments
8WB2UJ	Extraction: -Item 1 and Item 2 were extracted using in-situ method. -Item 2 were also extracted using chelex method for YSTR analysis. -Item 3 and Item 4 were extracted using QIAsymphony DNA Investigator Kit via QIAsymphony SP platform. Quantitation: -Item 2 (from chelex extraction), Item 3 and Item 4 were quantified using Quantifiler Trio Kit via QuantStudio5 System. Amplification: -Item 1 and Item 2 were amplified using GlobalFiler Express PCR amplification kit on ProFlexTM PCR System. -Item 3 and Item 4 were amplified using Globalfiler Kit on 9700 GeneAmp PCR System. -Item 2 and Item 3 were amplified using AMPFLSTR Y-Filer Kit on 9700 GeneAmp PCR System. Electrophoresis: -Electrophoresis for Globalfiler Express PCR products of Item 1 and Item 2, Globalfiler PCR products of Item 3 and Item 4 and YFiler PCR products of Item 2 and Item 3 were carried out using Genetic Analyzer 3500xl. Quality Control: -Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM- Non-male profile.
9DDA3H	Authorized to report STRs. Not authorized to report YSTRs.
9NUUME	Authorized to report STRs. Not authorized to report YSTRs.
9WBBEN	D6S474 genotype was taken from Investigator HDplex
A6GK8Z	NR = No Results
AB2U9G	Y-STR not performed.
AZHF6E	Authorized to report STRs. Not authorized to report YSTRs.
B7UABC	Within the Yfiler Plus kit range, it would appear that there is a null allele at DYS449 for Items 2 and 3. However, a peak greater than the largest ladder peak (>40) and an associated stutter product were detected in both Items 2 and 3. The >40 peak was reproduced with re-injection and re-amplification, but the size of the >40 peak (~476 bp) is outside the range of the size standard. Based on laboratory protocol, only data between 60 and 460 bp is evaluated. The DYS449 locus was not used for statistical calculations, and a partial Y-STR haplotype was reported.
BE4XNB	Y-STR testing only
BLKEEY	NR = No Results
BN6F9L	For both Item 1 and Item 4, at D19S442, 14 is the parent peak and 13.1 is a possible artifact peak due to imbalance and positioning. However, D19S433 is being reported as (13.1, 14) because 13.1 could not be ruled out as a true allele.
BZ4ZZE	1) NR = No Results. 2) STRmix analysis was performed on Item 3. 3) Interpretation was based on GeneMapper ID-X results.
CLB7EB	Authorized to report STRs. Not authorized to report YSTRs.
D4W3HB	NR = No Results; STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
DHVXQB	Authorized to report STRs. Not authorized to report YSTRs.
DYFPPB	Authorized to report STRs. Not authorized to report YSTRs.
E89AGU	NR = no results
EKKD6D	ND = no data
FDHQQH	STRmix analysis was conducted on this test.
FZTQXV	NR= No Result
GMFZL7	YSTR not performed. Authorized to report STRs. Not authorized to report YSTRs.
H4JZX8	NR indicates no results. STRmix was used on this test. Reported data is from analysis with GeneMapper ID-X.
HG6E27	NR=No Results. STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GeneMapper ID-X. Null allele observed at DYS449 in Items 2 and 3.

TABLE 5

WebCode	Additional Comments
HK4QW7	STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GMID-X. NR = no results.
HPGB4R	NR = no results
HT2CYE	1. During YFiler plus amplification of items 2 and 3, it was noticed during the items analysis that in the locus DYS449 there is a variant not reported in NIST database. Based on our laboratory's policies, locus has been reported as >41 (being 41 the last bin present in the analysis method used).
JHWUNM	Item 3: Peaks modeled as stutter for probabilistic genotyping were not included in the allele table per laboratory policy.
JUMDG8	Authorized to report STRs. Not authorized to report Y-STRs.
KPX8M6	NR = No Results. STRmix analysis done on Item 3. All reported data from GeneMapper ID-X analysis.
KYGU77	Authorized to report STRs. Not authorized to report YSTRs.
KYZNVM	DNA profiles were obtained from Items 1 and 2 for comparison purposes. The male DNA profile from Item 3 matches Suspect. The estimated frequency of this profile is one person in 120 octillion random, unrelated individuals based on the relevant [Country] populations. This profile does not match Victim. No DNA foreign to Victim was found on Item 4. No DNA profiles were entered into the State Rapid DNA database or the Combined DNA Index System (CODIS).
L3U6KL	NR = no results
LXXG4E	The [Laboratory] currently does Y-STR typing only for sexual and indecent assault cases and their related NISKs. Y-STR typing for the submitted four items has therefore not been completed.
M6D7F9	Blank spaces in the STR results table indicate that results were not obtained at that locus.
M77CK6	STRmix analysis was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X. NR = no results.
MPFGY2	Authorized to report STRs. Not authorized to report YSTRs.
MW6PR9	Extraction: Item 3 and Item 4 were extracted using Chelex Extraction. Quantification: Item 3 and Item 4 were quantified using the Quantifiler Human DNA quantitation kit and carried out by 7500 Real-Time PCR. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express Kit on 9700 GeneAmp PCR System. Item 3 and Item 4 were amplified using GlobalFiler Kit on 9700 GeneAmp PCR System. Item 2 and Item 3 were amplified using AMPFISTR YFiler Kit on 9700 GeneAmp PCR System. Electrophoresis: The electrophoresis process was carried out by Genetic Analyser 3500xl for Item 1 to Item 4. Quality Control: Reagent blank, positive control, and negative control were carried out along with the analysis and all gave the intended results. *NM denotes non male profile.
N4YC2J	NR = No result
N9RGR3	Extraction: Item 1 and 2 were extracted using in-situ method. Item 3 and 4 were extracted using QIAsymphony DNA Investigator Kit (bloodstain extraction method). Item 2 was extracted using chelex method for YSTR analysis. Quantification: Item 2 (chelex method), Item 3 and Item 4 were quantified using Quantifiler Trio DNA Quantification Kit on RT-PCR Quantstudio5 system. Amplification: Iten 1 and Item 2 were amplified using Globalfiler Express Kit on ABI Proflex PCR System. Item 3 and Item 4 were amplified using Globalfiler STR Kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 2 and Item 3 using AmFISTR Y-Filer Kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis of GlobalFiler was carried out on Genetic Analyzer 3500xL for Item 1, Item 2, Item 3 and Item 4. Electrophoresis of Y-Filer was carried out on Genetic Analyzer 3500xL for Item 2 and Item 3. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM - Non Male profile.
NY86HB	STRmix analysis was conducted on this test.
NYMAC3	NR=No Results. STRmix analysis performed on Item 3 including comparison to Item 1 & Item 2. Data reported is from Genemapper ID-X.

TABLE 5

WebCode	Additional Comments
P68PHL	NR = No Result
PR3NMV	The detection of human blood is positive for the samples taken from Item 3 and Item 4. Female victim (Item 1) vs. DNA results from Item 3 & Item 4: - All alleles of victim's genetic profile (Item 1) are identical with alleles of the genetic profile obtained from Item 4 (victim's shirt). The DNA evidence shows that victim's DNA is the source of the blood stain found on Item 4. On all genetic markers analyzed together, the Item 4 genetic profile corresponds to the Item 1 genetic profile and has, for unrelated individuals, a coincidence probability of less than 1 in 1 billion. - Many alleles of victim's genetic profile (Item 1) are discordant with the genetic profile obtained from Item 3 (victim's pants). The DNA evidence shows that victim's DNA is excluded as being the source of the blood stain found on Item 3 (victim's pants). Male suspect (Item 2) vs. DNA results from Item 3 & Item 4: -All alleles of suspect's genetic profile (Item 2) are identical with alleles of the genetic profile obtained from Item 3 (victim's pants). The DNA evidence shows that suspect's DNA is the source of the blood stain found on Item 3. On all genetic markers analyzed together, the Item 3 genetic profile corresponds to the Item 2 genetic profile and has, for unrelated individuals, a coincidence probability of less than 1 in 1 billion. -Many alleles of suspect's genetic profile (Item 2) are discordant with the genetic profile obtained from Item 4 (victim's shirt). The DNA evidence shows that suspect's DNA is excluded as being the source of the blood stain collected from Item 4 (victim's shirt).
PX99K2	Authorized to report STRs. Not authorized to report YSTRs.
PYZ8YY	Authorized to report STRs. Y-STR testing not performed - not authorized to report Y-STRs.
Q8TYKX	Authorized to report STRs. Not authorized to report YSTRs.
QAWU42	Databasing only; not authorized to process/report evidence samples.
QPDJPH	NR = No Results
QPT3AF	NR=No Results
QUNP6P	NR=No results
R2GBJ2	Not authorized to report conclusions.
R6GMF2	Items 3 and 4 were not processed. Authorized to report YSTRs but not assigned this PT cycle.
R8QHA7	STRmix analysis was conducted on this test.
RKCULF	These items were tested using ANDE 6C Rapid DNA.
T3MFAV	Authorized to report STRs. Not authorized to report serology or YSTRs.
T83NXU	Authorized to report STRs. Not authorized to report YSTRs.
THM84C	NR = no results
TNUCG7	STRmix analysis was conducted on this test.
U2CJTX	ND = no data. Y STRs were performed on Items 2 and 3. Direct Amp was performed on Items 1 and 2.
U3NJPR	Y-STR testing only
U9C7HC	NR = No Result
UBW4NU	Authorized to report STRs. Not authorized to report serology or YSTRs.

TABLE 5

WebCode	Additional Comments
UQQKWZ	1. Extraction: In situ extraction method was used to extract DNA from Item 1 and Item 2. Chelex extraction method was used to extract DNA from Item 2, Item 3 and Item 4. 2. Quantification: DNA Quantification for Item 2, Item 3 and Item 4 was carried out using Quantifiler Human DNA Quantification Kit with Applied Biosystem Real Time Polymerase Chain Reaction 7500 System. 3. Amplification: Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out on Item 1 and Item 2 using Globalfiler Express PCR Amplification Kit on the 9700 GeneAmp PCR System. Amplification: Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out on Item 3 and Item 4 using Globalfiler PCR Amplification Kit on the 9700 GeneAmp PCR System. Amplification of Y-STR (Short Tandem Repeat) Genetic Loci was carried out on Item 2 and Item 3 using the AmpF STR Y-Filer PCR Amplification Kit on the 9700 GeneAmp PCR System. 2. Electrophoresis: Electrophoresis was carried out using Applied Biosystem 3500 xL Genetic Analyzer with GeneMapper ID-X Software for Item 1, Item 2, Item 3 and Item 4. 3. Reagent blank, Positive Control and Negative Control were carried out throughout the analysis and all gave the intended results. 4. NM = Non Male profile
V97BEW	ND = No data obtained for that locus tested. Testing for the presence of human blood is performed with the ABAcard HemaTrace test kit. This kit is known to cross-react with some species of the Mustelidae family and with higher primates.
VPW72V	Authorized to report STRs. Not authorized to report YSTRs.
W23NZ2	STRmix analysis was conducted on this test.
WFN2CB	NR= no results
WH937X	Blank spaces in the STR results table indicate that results were not obtained at that locus.
WHTFWV	Databasing only; not authorized to process/report evidence samples.
WZN9HU	Off ladder allele present at DYS449 (>41) in samples Item 3 and Item 2. Analyst unable to confirm using another Y-STR amplification kit since this locus is not present in other Y-STR amplification kits available at [Laboratory]. Data from samples Item 3 and Item 2 were sent to [Company] and it was confirmed that this peak has not reported to [Company] before as an artifact. Based on the morphology and having the peak present in both Item 3 and Item 2, the peak at DYS449 was designated as an off ladder allele (>41). OL - Off Ladder Allele
XB9TNC	NR=No Result
XDAYZW	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 2 were also extracted using chelex method for YSTR analysis. Item 3 and Item 4 were extracted using QIAsymphony DNA Investigator Kit via QIAsymphony SP platform. Quantification: Item 2 (from chelex extraction), Item 3 and Item 4 were quantified using Quantifiler Trio DNA kit on RT-PCR QuantStudio 5 System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler kit on 9700 GeneAmp PCR System. Item 2 and Item 3 were amplified using AmFlSTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis for Item 1 and Item 2 (GlobalFiler Express), Item 3 and Item 4 (Globalfiler) and Item 2 and Item 3 (Y-Filer) were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM : non-male profile.
YD9GHR	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. Fusion "Direct Amp" was also performed on Items 1 and 2, in additional to the traditional Fusion amplification. Reported results are from the traditional amplification.
YDPHKU	NR = No results. STRmix analysis was conducted on this test. The data reported out in this test is from analysis using Genemapper ID-X.
YFZEWQ	NR=No Result. STRmix was used analysis on this test but the data reported out was analyzed with Genemapper-IDX.

TABLE 5

WebCode	Additional Comments
YRQ97Y	Items 3 and 4 were extracted via differential separation. No human DNA was detected in the sperm fraction of items 3 and 4. The report will reflect the non-sperm fraction (epi-fraction) for both items. STRmix analysis was conducted on this test.
Z6RDLP	Authorized to report STRs. Not authorized to report YSTRs.
Z7QAJZ	STRmix analysis was conducted on this test
ZYLKRU	Databasing only; not authorized to process/report evidence samples. Authorized to report STRs and YSTRs but not assigned YSTRs this PT cycle.

-End of Report-
(Appendix may follow)

Test No. 23-5805: DNA-Blood

DATA MUST BE SUBMITTED BY **Nov. 06, 2023, 11:59 p.m. EST** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A   WebCode: MB3YFE

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

Scenario:

Police are investigating a physical assault involving a female victim and male suspect. The victim and suspect were removed from a local bar by police after punching each other several times. Police are submitting to your laboratory a stain from the pants (Item 3) and shirt (Item 4) the victim was wearing. Screening tests have been performed on both samples with the following results: Item 3 (victim's pants) is positive for blood, and Item 4 (victim's shirt) is positive for blood. Also collected were known blood samples from the female victim (Item 1) and the male suspect (Item 2).

Items Submitted (Sample Pack S5):

Item 1: Known blood from the female victim
Item 2: Known blood from the male suspect
Item 3: Questioned blood stain from victim's pants (green)
Item 4: Questioned blood stain from victim's shirt (yellow)

Part I: DNA Results for Known Item 1

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

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

☐ Identifiler®   ☐ GlobalFiler™   ☐ Investigator® 24plex

☐ PowerPlex®   Other

Report the Probabilistic Genotyping Software Used (if applicable):

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

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

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

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

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

☐ Identifiler®　　　　　　　　　☐ GlobalFiler™　　　　　　　　☐ Investigator® 24plex

☐ PowerPlex®　　　　　　　　　Other

Report the Probabilistic Genotyping Software Used (if applicable):

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

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

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
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 [ ].

<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
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						

<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
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 [ ].

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
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						

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
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.

Locus	Item 1	Item 2	Item 3	Item 4

Part II: DNA INTERPRETATION

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

	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)