Collaborative Testing Services, Inc
FORENSIC TESTING PROGRAM

DNA Database - Saliva Test No. 20-5840/1/2
Summary Report

Each participant received a sample pack consisting of three buccal saliva standards which they were requested to analyze using their existing protocols. Data were returned from 147 participants and are compiled into the following tables:

Manufacturer's Information

Each sample set was a collection of known buccal cells from three individuals (Items 1-3), provided on either GE Healthcare FTA® Indicating Micro Cards, Bode Buccal DNA Collectors™, or Puritan® Cap-Shure® swabs. Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: All substrates were prepared from human buccal cheek cells suspended in sterile phosphate-buffered saline solution. The GE Healthcare FTA® Indicating Micro Cards were spotted with 120 μl of the cell suspension, the Bode Buccal DNA Collectors™ were spotted with 200 μl of the cell suspension, and the Puritan® Cap-Shure® swabs were spotted with 125 μl of the cell suspension. Items 1 and 3 were created using different male donors, and Item 2 was created using a female donor. The Items were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on February 4, 2020.

SAMPLE SET ASSEMBLY: Each item was packed into a prelabeled item envelope. For each sample set, Items 1, 2, and 3 of the same substrate type were placed into a pre-labeled sample pack envelope. The sealed sample pack envelopes were then packaged in pre-labeled Heat Seal envelopes and sealed. This process was repeated until all of the sample sets were prepared.

VERIFICATION: Laboratories that conducted predistribution analysis of the samples reported consistent allelic results across all three substrates.

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	12,15.3	17,17	11,11	15,16	11,13	*
	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23	9,12	5,7	11,16	7,9.3	8,9
	17,20	11	17	17	2	
2	13,15	18,25	11,15	15,19	11,12	*
	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
	16,18	NM	NM	NM	NM	
3	11,11	17,17	14,14	18,18	11,12	*
	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25	9,12	7,11	26.2,30.2	6,9	10,11
	14,17	11	17	17	2	

YSTR Results

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

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
1	35,36	15	11,15	12	28	24	11	13	13
	15	12	10	19	29	16	16	11	22
	38	11	13	17	17	21	23	10	12
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13	12	17	17	23	23	10	12

* Results were not received by a minimum of 10 participants for the STR and/or YSTR loci indicated.

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

Summary Comments

The DNA Database - Saliva tests were designed to allow participants to assess their proficiency in the analysis of buccal samples by means of DNA profiling. Each sample pack consisted of one of three buccal collection substrates: the GE Healthcare FTA® Indicating Micro Cards, the Bode Buccal DNA Collectors™, and the Puritan® Cap-Shure® swabs. Items 1 and 3 were created using oral epithelial cells collected from male donors, and Item 2 was created using oral epithelial cells collected from a female donor. (See Manufacturer's Information for preparation details)

Of the STR results returned only one participant reported a result that differed from the consensus/ predistribution testing results. This participant reported "9" at the Penta D locus where the consensus was "9,12" and indicated in the Additional Comments section that they had difficulties producing a full profile for Item 1. Another 13 participants also mentioned experiencing challenges with the Item 1 sample, most of which were enrolled in the test version that included samples on the FTA indicating card substrate. Some of these participants noted that they typically use an automated extraction method but when implementing a manual extraction method, they had better success. CTS intends to contact participants that encountered issues with Item 1 to learn more.

Of the YSTR results returned, only one participant reported results that differed from the consensus/predistribution testing results. This participant reported "30,30" at the DYS449 locus where the consensus was "30".

STR Amplification Kit(s) & Results

TABLE 1

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

WebCode-Test Amplification Kits (Probablistic Genotyping Software)

Item 1 - STR Results

284KCG - 5841   PowerPlex® Fusion 5C

	12,15.3	17	11	15,16	11,13	
1	8,11	13	13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23	9,12	5,7		7,9.3	8,9
	17,20	11				

28LJNT - 5840   GlobalFiler™

	12,15.3	17	11	15,16	11,13	
1	8,11	13	13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

2E46B7 - 5842   PowerPlex® Fusion 5C

	12,15.3	17	11	15,16	11,13	
1	8,11	13	13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23	9,12	5,7		7,9.3	8,9
	17,20	11				

2YAN3Y - 5841   GlobalFiler™ Express

	12,15.3	17,17	11,11	15,16	11,13	
1	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

3CCDWE - 5841   GlobalFiler™ PCR Amplification Kit

	12,15.3	17,17	11,11	15,16	11,13	
1	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

3R8UNX - 5840   PowerPlex® Fusion 5C

	12,15.3	17	11	15,16	11,13	
1	8,11	13	13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23	9,12	5,7		7,9.3	8,9
	17,20	11				

TABLE 1

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

3THR2E - 5841   PowerPlex® Fusion 5C

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
	12,15.3	17	11	15,16	11,13	
1	8,11	13	13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23	9,12	5,7		7,9.3	8,9
	17,20	11				

46AJHC - 5841   AmpFISTR NGM kit   (GeneMapper ID)

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
	12,15.3	17	11	15,16		
1		13	13	18,20		9,11
	12,13	14,16.2	30,31	15,16	X,Y	
	21,23				7,9.3	
	17,20					

4HCCLU - 5842   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
	12,15.3	17	11	15,16	11,13	
1	8,11	13	13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23	9,12	5,7	11,16	7,9.3	8,9
	17,20	11	17	17		

4RZ39L - 5840   GlobalFiler™

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
	12,15.3	17,17	11,11	15,16	11,13	
1	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

4WRGR2 - 5841   GlobalFiler™ Express

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
	12,15.3	17,17	11,11	15,16	11,13	
1	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11				

62JYPD - 5840   GlobalFiler™ Express, GlobalFiler

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
	12,15.3	17,17	11,11	15,16	11,13	
1	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

6W7ZCY - 5841   GlobalFiler™ Express

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
	12,15.3	17,17	11,11	15,16	11,13	
1	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11				

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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

76ZJDE - 5840   PowerPlex® Fusion 5C   (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20	11				

7J3WTQ - 5840   GlobalFiler™   (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23				11,16	7,9.3	8,9
17,20	11			2	

7P67WX - 5841   GlobalFiler™   (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

7P7JDJ - 5840   PowerPlex® Fusion 5C   (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20		9,11
12,13	14,16.2	30,31		X,Y	
21,23				7,9.3	
17,20					

7Y9DEH - 5841   GlobalFiler™ Express   (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

7Z7QX6 - 5842   GlobalFiler™ GFE   (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

87NGW6 - 5840   GlobalFiler™   (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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

8PP22K - 5840   GlobalFiler™ Express   (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

8TPXGJ - 5840   PowerPlex® Fusion 5C   (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20		9,11
12,13	14,16.2	30,31		X,Y	
21,23				7,9.3	
17,20					

93LZ2M - 5840   GlobalFiler™   (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

94EXAT - 5841   GlobalFiler™ Express   (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

9C9YP7 - 5840   GlobalFiler™ Express PCR Amplification kit   (Gene mapper ID-X1.4)   (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

9CDBD3 - 5842   PowerPlex® Fusion 5C   (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20	11				

9KQ8FN - 5840   PowerPlex® Fusion 6C   (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7	11,16	7,9.3	8,9
17,20	11	17	17		

TABLE 1

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

9MTAYX - 5842   PowerPlex® Fusion 5C

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
	12,15.3	17	11	15,16	11,13	
1	8,11	13	13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23	9,12	5,7		7,9.3	8,9
	17,20	11				

9ZX9AP - 5842   PowerPlex® Fusion 5C

Item						
	12,15.3	17	11	15,16	11,13	
1	8,11	13	13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23	9,12	5,7		7,9.3	8,9
	17,20	11				

AF9AL7 - 5842   GlobalFiler™ Express PCR Amplification Kit

Item						
	12,15.3	17,17	11,11	15,16	11,13	
1	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

ANHUN3 - 5840   PowerPlex® 5C

Item						
	12,15.3	17,17	11,11	15,16	11,13	
1	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23	9,12	5,7		7,9.3	8,9
	17,20	11				

B7VXJT - 5841   GlobalFiler™

Item						
	12,15.3	17	11	15,16	11,13	
1	8,11	13	13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

BKY4UR - 5841   GlobalFiler™ Express

Item						
	12,15.3	17,17	11,11	15,16	11,13	
1	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

BR29R3 - 5840   PowerPlex® Fusion 5C

Item						
	12,15.3	17,17	11,11	15,16	11,13	
1	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23	9,12	5,7		7,9.3	8,9
	17,20	11				

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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

BXKBXK - 5840　　　GlobalFiler™

Item 1

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

BXNXCD - 5841　　　GlobalFiler™ Express, GlobalFiler

Item 1

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

C9LEG9 - 5840　　　PowerPlex® Fusion 5C

Item 1

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20	11				

CHQUG7 - 5840　　　GlobalFiler™

Item 1

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

CPPTWG - 5840　　　GlobalFiler™ Express

Item 1

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

D4KGLL - 5842　　　PowerPlex® Fusion 5C

Item 1

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20	11				

DB274U - 5841　　　GlobalFiler™

Item 1

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column at left)

Item 1 - STR Results

DCWTFX - 5840   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

DRMTAJ - 5840   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7	11,16	7,9.3	8,9
17,20	11	17	17		

DTHGLM - 5841   GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

DUGGUZ - 5840   PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20					

DUZ3MP - 5841   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

ECCCZV - 5842   GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

ED7XV8 - 5840   PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20	11				

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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)

Item 1 - STR Results

EK7GUW - 5842   GlobalFiler™ Express   (1)

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

EU9XJ2 - 5840   GlobalFiler™ Express   (1)

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

EZY8TZ - 5840   PowerPlex® Fusion 5C   (1)

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20	11				

FG3PA4 - 5842   GlobalFiler™ Express   (1)

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

FK2HDU - 5841   PowerPlex® Fusion 6C   (1)

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7	11,16	7,9.3	8,9
17,20	11	17	17		

G2KV36 - 5841   GlobalFiler™ Express   (1)

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

G9RMN3 - 5840   GlobalFiler™ Express   (1)

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

TABLE 1

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

GDZMQF - 5840   Identifiler®, PowerPlex® Fusion 5C

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	12,15.3	17	11	15,16	11,13	
1	8,11	13	13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23	9,12	5,7		7,9.3	8,9
	17,20	11				

GF3KYM - 5841   GlobalFiler™

	12,15.3	17	11	15,16	11,13	
1	8,11	13	13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

H24YCQ - 5841   PowerPlex® Fusion 6C

	12,15.3	17	11	15,16	11,13	
1	8,11	13	13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23	9,12	5,7	11,16	7,9.3	8,9
	17,20	11	17	17		

H62EMZ - 5840   GlobalFiler™ Express

	12,15.3	17,17	11,11	15,16	11,13	
1	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

HDTVB4 - 5840   PowerPlex® Fusion 5C

	12,15.3	17,17	11,11	15,16	11,13	
1	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23	9,12	5,7		7,9.3	8,9
	17,20	11				

HELV7U - 5840   Identifiler® Direct

		17,17		15,16	11,13	
1	8,11	13,13			12,14	9,11
	12,13	14,16.2	30,31		X,Y	11,12
	21,23				7,9.3	8,9
	17,20					

HQGZJZ - 5841   GlobalFiler™ Express, GlobalFiler

	12,15.3	17,17	11,11	15,16	11,13	
1	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

TABLE 1

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

HREAE4 - 5840   PowerPlex® Fusion 5C

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	12,15.3	17,17	11,11	15,16	11,13	
	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23	9,12	5,7		7,9.3	8,9
	17,20	11				

HRXGVY - 5842   PowerPlex® Fusion 6C

Item						
1	12,15.3	17,17	11,11	15,16	11,13	
	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23	9,12	5,7	11,16	7,9.3	8,9
	17,20	11	17	17		

JMCQRV - 5841   GlobalFiler™

Item						
1	12,15.3	17,17	11,11	15,16	11,13	
	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

JMUMCH - 5841   GlobalFiler™ Express

Item						
1	12,15.3	17,17	11,11	15,16	11,13	
	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

JPMEQA - 5840   GlobalFiler™ Express

Item						
1	12,15.3	17	11	15,16	11,13	
	8,11	13	13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

JTLPLA - 5840   GlobalFiler™ Express

Item						
1	12,15.3	17	11	15,16	11,13	
	8,11	13	13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

JXV7VX - 5840   GlobalFiler™

Item						
1	12,15.3	17,17	11,11	15,16	11,13	
	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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

JYBQW2 - 5840   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
12,15.3	17,17		15,16	11,13	12,13
8,11	13,13		18,20	12,14	9,11
12,13	14,16.2	30,31		X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20					

K79ALW - 5841   PowerPlex® Fusion 5C

Item 1

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20	11				

KBE8QV - 5840   GlobalFiler™

Item 1

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

KC9XUN - 5842   GlobalFiler™ Express

Item 1

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

KJR4TG - 5840   PowerPlex® Fusion 6C

Item 1

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7	11,16	7,9.3	8,9
17,20	11	17	17		

KUWCR8 - 5840   PowerPlex® Fusion

Item 1

12,15.3			15,16		
	13,13		18,20		9,11
12,13	14,16.2	30,31		X,Y	
21,23				7,9.3	
17,20					

L3MWEE - 5840   PowerPlex® Fusion 6C

Item 1

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7	11,16	7,9.3	8,9
17,20	11	17	17		

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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

LEG9QR - 5840 — PowerPlex® Fusion 5C (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
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20	11				

LJPTBH - 5841 — GlobalFiler™ (Item 1)

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

M8AYYP - 5842 — PowerPlex® Fusion 6C (Item 1)

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7	11,16	7,9.3	8,9
17,20	11	17	17		

M98BFQ - 5841 — GlobalFiler™ PCR Amplification Kit   (GeneMapper ID-X 1.4) (Item 1)

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

M9NRBJ - 5842 — PowerPlex® Fusion 6C (Item 1)

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7	11,16	7,9.3	8,9
17,20	11	17	17		

MDGWZG - 5841 — GlobalFiler™ Express (Item 1)

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11				

MJZZ8J - 5840 — Identifiler® Direct (Item 1)

	17,17		15,16	11,13	
8,11	13,13			12,14	9,11
12,13	14,16.2	30,31		X,Y	11,12
21,23				7,9.3	8,9
17,20					

TABLE 1

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

MKYLZW - 5842   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,15.3	17	11	15,16	11,13	
1	8,11	13	13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

MLRQLB - 5840   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,15.3	17,17	11,11	15,16	11,13	
1	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23	9,12	5,7	11,16	7,9.3	8,9
	17,20	11	17	17		

MQ42AY - 5841   GlobalFiler™ PCR Amplification Kit

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,15.3	17,17	11,11	15,16	11,13	
1	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

MQ6RKN - 5842   PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,15.3	17	11	15,16	11,13	
1	8,11	13	13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23	9,12	5,7		7,9.3	8,9
	17,20	11				

MQ7RH3 - 5840   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,15.3	17,17	11,11	15,16	11,13	
1	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

MRH9VF - 5841   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,15.3	17,17	11,11	15,16	11,13	
1	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

MYE4VZ - 5842   GlobalFiler™ PCR Amplification kit   (Gene mapper ID-X1.4)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,15.3	17,17	11,11	15,16	11,13	
1	8,11	13,13	13,13	18,20	12,14	9,11
	12,13	14,16.2	30,31	15,16	X,Y	11,12
	21,23			11,16	7,9.3	8,9
	17,20	11			2	

TABLE 1

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

NABLRK - 5842   GlobalFiler™ Express

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

NL63GL - 5842   PowerPlex® Fusion 5C

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20	11				

NWAV7F - 5840   NGM SElect

12,15.3	17,17	11,11	15,16		
	13,13	13,13	18,20		9,11
12,13	14,16.2	30,31	15,16	X,Y	
21,23			11,16	7,9.3	
17,20					

P7UL6D - 5840   PowerPlex® Fusion

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20	11				

P86MRC - 5840   PowerPlex® Fusion

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20	11				

PA7NUU - 5840   GlobalFiler™ Express

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

PJGQFV - 5841   GlobalFiler™ Express

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column to the left)

Item 1 - STR Results

PLMWMU - 5842   Identifiler®, PowerPlex® 16, PowerPlex® Fusion 6C

Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7	11,16	7,9.3	8,9
17,20	11	17	17		

PRNPLB - 5840   PowerPlex® Fusion

Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20	11				

PV9CKP - 5842   GlobalFiler™

Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

QA6YKQ - 5842   GlobalFiler™ Express PCR Amplification Kit

Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

QUUXLZ - 5840   PowerPlex® Fusion 5C

Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20					

QXTAGZ - 5840   PowerPlex® 5C

Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20					

R6QZ73 - 5840   PowerPlex® Fusion 6C

Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7	11,16	7,9.3	8,9
17,20	11	17	17		

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column at left)

Item 1 - STR Results

RF6W9L - 5840   GlobalFiler™ Express PCR Amplification Kit

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

RTF82G - 5840   GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

RUATRM - 5840   GlobalFiler™ Express PCR Amplification Kit   (Gene mapper ID-X1.4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

RUQAMF - 5842   GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

T3ZYZE - 5842   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7	11,16	7,9.3	8,9
17,20	11	17	17		

T6ZAR9 - 5841   GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

TDXUZV - 5841   GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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

TLRZWH - 5842   PowerPlex® Fusion 5C

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20	11				

TMPDGP - 5840   GlobalFiler™ Express, GlobalFiler

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

TVYLZB - 5840   Identifiler® Direct

	17,17		15,16	11,13	
8,11	13,13			12,14	9,11
12,13	14,16.2	30,31		X,Y	11,12
21,23				7,9.3	8,9
17,20					

U3VU3G - 5840   GlobalFiler™ Express

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

U6ZNKY - 5840   GlobalFiler™

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

U8QNZH - 5840   PowerPlex® Fusion 5C

12,15.3			15,16		
	13,13				9,11
12,13	14,16.2			X,Y	
				7,9.3	
17,20					

UPM9JN - 5841   PowerPlex® Fusion 5C

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20	11				

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column label: **Item**)

Item 1 - STR Results

UQHWWT - 5841   GlobalFiler™ Express (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

UTLKFN - 5841   PowerPlex® Fusion 5C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20	11				

UYGMWN - 5842   PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7	11,16	7,9.3	8,9
17,20	11	17	17		

UZ7RTM - 5841   GlobalFiler™ PCR Amplification Kit (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

VJUDA4 - 5841   GlobalFiler™ Express, GlobalFiler (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

VKUDDB - 5842   PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7	11,16	7,9.3	8,9
17,20	11	17	17		

VTNJ8C - 5842   PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7	11,16	7,9.3	8,9
17,20	11	17	17		

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column at left)

Item 1 - STR Results

VXW24J - 5842   GlobalFiler™ PCR Amplification Kit (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
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

VYDV9Z - 5840   GlobalFiler™ Express (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

VYN33F - 5841   GlobalFiler™ Express (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11				

W4ER66 - 5840   PowerPlex® Fusion (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20	11				

W8GNWK - 5841   PowerPlex® 5C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20	11				

WBZRGB - 5840   PowerPlex® Fusion, GlobalFiler™ Express (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7	11,16	7,9.3	8,9
17,20	11			2	

WHXZ2M - 5840   PowerPlex® 21 (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,15.3	17,17		15,16	11,13	12,13
8,11	13,13		18,20	12,14	9,11
12,13	14,16.2	30,31		X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20					

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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)

Item 1 - STR Results

WRL9NE - 5842   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
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

WY7BVG - 5840   PowerPlex® ESI 16 FAST   (GeneMapper ID-X 1.5)

Item 1

12,15.3	17,17	11,11	15,16		
	13,13	13,13	18,20		9,11
12,13	14,16.2	30,31	15,16	X,Y	
21,23				7,9.3	
17,20					

WYLQ6B - 5841   GlobalFiler™

Item 1

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

WZDQZ2 - 5842   PowerPlex® Fusion 5C

Item 1

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20	11				

X3L3H3 - 5842   PowerPlex® Fusion 5C

Item 1

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7		7,9.3	8,9
17,20	11				

XBG4YG - 5840   GlobalFiler™ Express PCR Amplification Kit

Item 1

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

XCBAER - 5840   PowerPlex® Fusion 5C

Item 1

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20		9,11
12,13	14,16.2	30,31		X,Y	
21,23	9			7,9.3	8,9
17,20					

TABLE 1

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

XJQPMB - 5840   GlobalFiler™ Express

D1S1656 / ...					
12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

XK2E99 - 5840   Identifiler® Direct

	17,17		15,16	11,13	
8,11	13,13			12,14	9,11
12,13	14,16.2	30,31		X,Y	11,12
21,23				7,9.3	8,9
17,20					

XM8DJL - 5842   GlobalFiler™

12,15.3	17	11	15,16	11,13	
8,11	13	13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23			11,16	7,9.3	8,9
17,20	11			2	

XTBWLZ - 5840   PowerPlex® Fusion 6C

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7	11,16	7,9.3	8,9
17,20	11	17	17		

YPABAM - 5840   PowerPlex® Fusion 5C

	17,17	11,11	15,16		
	13,13				9,11
12,13	14,16.2			X,Y	
				7,9.3	
17,20					

ZNG3WH - 5842   PowerPlex® Fusion 6C

12,15.3	17,17	11,11	15,16	11,13	
8,11	13,13	13,13	18,20	12,14	9,11
12,13	14,16.2	30,31	15,16	X,Y	11,12
21,23	9,12	5,7	11,16	7,9.3	8,9
17,20	11	17	17		

TABLE 1

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

284KCG - 5841   PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23	12,14	5,11		6,9.3	11,12
	16,18					

28LJNT - 5840   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

2E46B7 - 5842   PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23	12,14	5,11		6,9.3	11,12
	16,18	NR				

2YAN3Y - 5841   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

3CCDWE - 5841   GlobalFiler™ PCR Amplification Kit

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

3R8UNX - 5840   PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23	12,14	5,11		6,9.3	11,12
	16,18					

3THR2E - 5841   PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23	12,14	5,11		6,9.3	11,12
	16,18					

TABLE 1

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

46AJHC - 5841   AmpFlSTR NGM kit   (GeneMapper ID)

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
	13,15	18,25	11,15	15,19		
2		13,16	14,15	18,19		10,12
	14,19	13,14.2	30	14,15	X	
	20,23				6,9.3	
	16,18					

4HCCLU - 5842   PowerPlex® Fusion 6C

Item						
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
	16,18					

4RZ39L - 5840   GlobalFiler™

Item						
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

4WRGR2 - 5841   GlobalFiler™ Express

Item						
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

62JYPD - 5840   GlobalFiler™ Express, GlobalFiler

Item						
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

6W7ZCY - 5841   GlobalFiler™ Express

Item						
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

76ZJDE - 5840   PowerPlex® Fusion 5C

Item						
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23	12,14	5,11		6,9.3	11,12
	16,18	NR				

TABLE 1

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

7J3WTQ - 5840   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23			23.2,29.2	6,9.3	11,12
16,18					

Item: 2

7P67WX - 5841   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23			23.2,29.2	6,9.3	11,12
16,18					

Item: 2

7P7JDJ - 5840   PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23	12,14	5,11		6,9.3	11,12
16,18					

Item: 2

7Y9DEH - 5841   GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

Item: 2

7Z7QX6 - 5842   GlobalFiler™ GFE

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

Item: 2

87NGW6 - 5840   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23			23.2,29.2	6,9.3	11,12
16,18					

Item: 2

8PP22K - 5840   GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

Item: 2

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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

8TPXGJ - 5840   PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23	12,14	5,11		6,9.3	11,12
16,18					

Item: 2

93LZ2M - 5840   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23			23.2,29.2	6,9.3	11,12
16,18					

Item: 2

94EXAT - 5841   GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

Item: 2

9C9YP7 - 5840   GlobalFiler™ Express PCR Amplification kit   (Gene mapper ID-X1.4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

Item: 2

9CDBD3 - 5842   PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23	12,14	5,11		6,9.3	11,12
16,18					

Item: 2

9KQ8FN - 5840   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
16,18					

Item: 2

9MTAYX - 5842   PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23	12,14	5,11		6,9.3	11,12
16,18	NR				

Item: 2

TABLE 1

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

9ZX9AP - 5842   PowerPlex® Fusion 5C

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
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23	12,14	5,11		6,9.3	11,12
	16,18	NR				

AF9AL7 - 5842   GlobalFiler™ Express PCR Amplification Kit

Item						
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

ANHUN3 - 5840   PowerPlex® 5C

Item						
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23	12,14	5,11		6,9.3	11,12
	16,18					

B7VXJT - 5841   GlobalFiler™

Item						
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

BKY4UR - 5841   GlobalFiler™ Express

Item						
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

BR29R3 - 5840   PowerPlex® Fusion 5C

Item						
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23	12,14	5,11		6,9.3	11,12
	16,18					

BXKBXK - 5840   GlobalFiler™

Item						
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

TABLE 1

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

BXNXCD - 5841   GlobalFiler™ Express, GlobalFiler

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
2	13,15	18,25	11,15	15,19	11,12	
	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

C9LEG9 - 5840   PowerPlex® Fusion 5C

Item						
2	13,15	18,25	11,15	15,19	11,12	
	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23	12,14	5,11		6,9.3	11,12
	16,18	NR				

CHQUG7 - 5840   GlobalFiler™

Item						
2	13,15	18,25	11,15	15,19	11,12	
	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

CPPTWG - 5840   GlobalFiler™ Express

Item						
2	13,15	18,25	11,15	15,19	11,12	
	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

D4KGLL - 5842   PowerPlex® Fusion 5C

Item						
2	13,15	18,25	11,15	15,19	11,12	
	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23	12,14	5,11		6,9.3	11,12
	16,18	NR				

DB274U - 5841   GlobalFiler™

Item						
2	13,15	18,25	11,15	15,19	11,12	
	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X,X	11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

DCWTFX - 5840   GlobalFiler™

Item						
2	13,15	18,25	11,15	15,19	11,12	
	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column header: **Item**)

Item 2 - STR Results

DRMTAJ - 5840　　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
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
16,18					

DTHGLM - 5841　　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
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

DUGGUZ - 5840　　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
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23	12,14	5,11		6,9.3	11,12
16,18					

DUZ3MP - 5841　　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
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23			23.2,29.2	6,9.3	11,12
16,18					

ECCCZV - 5842　　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
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

ED7XV8 - 5840　　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
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23	12,14	5,11		6,9.3	11,12
16,18					

EK7GUW - 5842　　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
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

TABLE 1

Item	WebCode-Test Amplification Kits (Probablistic 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

EU9XJ2 - 5840   GlobalFiler™ Express

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

EZY8TZ - 5840   PowerPlex® Fusion 5C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23	12,14	5,11		6,9.3	11,12
	16,18					

FG3PA4 - 5842   GlobalFiler™ Express

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

FK2HDU - 5841   PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
	16,18	NR	NR	NR		

G2KV36 - 5841   GlobalFiler™ Express

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

G9RMN3 - 5840   GlobalFiler™ Express

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23			23.2,29.2	6,9.3	11,12
	16,18	NR			NR	

GDZMQF - 5840   PowerPlex® Fusion 5C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23	12,14	5,11		6,9.3	11,12
	16,18					

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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

GF3KYM - 5841   GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X,X	11
20,23			23.2,29.2	6,9.3	11,12
16,18					

H24YCQ - 5841   PowerPlex® Fusion 6C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
16,18	NR	NR	NR		

H62EMZ - 5840   GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

HDTVB4 - 5840   PowerPlex® Fusion 5C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23	12,14	5,11		6,9.3	11,12
16,18					

HELV7U - 5840   GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

HQGZJZ - 5841   GlobalFiler™ Express, GlobalFiler — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

HREAE4 - 5840   PowerPlex® Fusion 5C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23	12,14	5,11		6,9.3	11,12
16,18					

TABLE 1

Item	WebCode-Test Amplification Kits (Probablistic 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

HRXGVY - 5842   PowerPlex® Fusion 6C

Item						
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
	16,18					

JMCQRV - 5841   GlobalFiler™

Item						
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

JMUMCH - 5841   GlobalFiler™ Express

Item						
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

JPMEQA - 5840   GlobalFiler™ Express

Item						
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

JTLPLA - 5840   GlobalFiler™ Express

Item						
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

JXV7VX - 5840   GlobalFiler™

Item						
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

JYBQW2 - 5840   PowerPlex® 21

Item						
	13,15	18,25		15,19	11,12	11,17
2	8,8	13,16		18,19	8,11	10,12
	14,19	13,14.2	30,30		X,X	11,11
	20,23	12,14	5,11		6,9.3	11,12
	16,18					

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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

K79ALW - 5841   PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23	12,14	5,11		6,9.3	11,12
	16,18					

KBE8QV - 5840   GlobalFiler™

	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18	0			0	

KC9XUN - 5842   GlobalFiler™ Express

	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

KJR4TG - 5840   PowerPlex® Fusion 6C

	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
	16,18					

KUWCR8 - 5840   PowerPlex® Fusion

	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23	12,14	5,11		6,9.3	11,12
	16,18					

L3MWEE - 5840   PowerPlex® Fusion 6C

	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
	16,18					

LEG9QR - 5840   PowerPlex® Fusion 5C

	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23	12,14	5,11		6,9.3	11,12
	16,18					

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column at left)

Item 2 - STR Results

LJPTBH - 5841   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X,X	11
20,23			23.2,29.2	6,9.3	11,12
16,18					

(Item: 2)

M8AYYP - 5842   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
16,18	no results	no results	no results		

(Item: 2)

M98BFQ - 5841   GlobalFiler™ PCR Amplification Kit   (GeneMapper ID-X 1.4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

(Item: 2)

M9NRBJ - 5842   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
16,18					

(Item: 2)

MDGWZG - 5841   GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

(Item: 2)

MJZZ8J - 5840   GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18	0				

(Item: 2)

MKYLZW - 5842   GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23			23.2,29.2	6,9.3	11,12
16,18					

(Item: 2)

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column label applies to rows below.

Item 2 - STR Results

MLRQLB - 5840   PowerPlex® Fusion 6C (Item 2)

D1S1656 / etc					
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
16,18					

MQ42AY - 5841   GlobalFiler™ PCR Amplification Kit (Item 2)

13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

MQ6RKN - 5842   PowerPlex® Fusion 5C (Item 2)

13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23	12,14	5,11		6,9.3	11,12
16,18	No Results				

MQ7RH3 - 5840   GlobalFiler™ Express (Item 2)

13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

MRH9VF - 5841   GlobalFiler™ Express (Item 2)

13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

MYE4VZ - 5842   GlobalFiler™ PCR Amplification kit   (Gene mapper ID-X1.4) (Item 2)

13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18	-			-	

NABLRK - 5842   GlobalFiler™ Express (Item 2)

13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23			23.2,29.2	6,9.3	11,12
16,18	NR			NR	

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column shown at left)

Item 2 - STR Results

NL63GL - 5842   PowerPlex® Fusion 5C

Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23	12,14	5,11		6,9.3	11,12
16,18					

NWAV7F - 5840   NGM SElect

Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19		
	13,16	14,15	18,19		10,12
14,19	13,14.2	30,30	14,15	X,X	
20,23			23.2,29.2	6,9.3	
16,18					

P7UL6D - 5840   PowerPlex® Fusion

Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23	12,14	5,11		6,9.3	11,12
16,18					

P86MRC - 5840   PowerPlex® Fusion

Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23	12,14	5,11		6,9.3	11,12
16,18					

PA7NUU - 5840   GlobalFiler™ Express

Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

PJGQFV - 5841   GlobalFiler™ Express

Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

PLMWMU - 5842   Identifiler®, PowerPlex® 16, PowerPlex® Fusion 6C

Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
16,18	0	0	0		

TABLE 1

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

PRNPLB - 5840   PowerPlex® Fusion

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
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23	12,14	5,11		6,9.3	11,12
	16,18					

PV9CKP - 5842   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
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

QA6YKQ - 5842   GlobalFiler™ Express PCR Amplification Kit

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

QUUXLZ - 5840   PowerPlex® Fusion 5C

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23	12,14	5,11		6,9.3	11,12
	16,18					

QXTAGZ - 5840   PowerPlex® 5C

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23	12,14	5,11		6,9.3	11,12
	16,18					

R6QZ73 - 5840   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
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
	16,18					

RF6W9L - 5840   GlobalFiler™ Express PCR Amplification Kit

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column header spans all five header rows.)

Item 2 - STR Results

RTF82G - 5840   GlobalFiler™ Express

Item: 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

RUATRM - 5840   GlobalFiler™ Express PCR Amplification Kit   (Gene mapper ID-X1.4)

Item: 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18	-			-	

RUQAMF - 5842   GlobalFiler™ Express

Item: 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

T3ZYZE - 5842   PowerPlex® Fusion 6C

Item: 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
16,18					

T6ZAR9 - 5841   GlobalFiler™ Express

Item: 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

TDXUZV - 5841   GlobalFiler™ Express

Item: 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

TLRZWH - 5842   PowerPlex® Fusion 5C

Item: 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23	12,14	5,11		6,9.3	11,12
16,18					

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column at left)

Item 2 - STR Results

TMPDGP - 5840   GlobalFiler™ Express, GlobalFiler

13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

(Item 2)

TVYLZB - 5840   GlobalFiler™ Express

13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

(Item 2)

U3VU3G - 5840   GlobalFiler™ Express

13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

(Item 2)

U6ZNKY - 5840   GlobalFiler™

13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23			23.2,29.2	6,9.3	11,12
16,18					

(Item 2)

U8QNZH - 5840   PowerPlex® Fusion 5C

13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23	12,14	5,11		6,9.3	11,12
16,18					

(Item 2)

UPM9JN - 5841   PowerPlex® Fusion 5C

13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23	12,14	5,11		6,9.3	11,12
16,18					

(Item 2)

UQHWWT - 5841   GlobalFiler™ Express

13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18					

(Item 2)

TABLE 1

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

UTLKFN - 5841   PowerPlex® Fusion 5C

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
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23	12,14	5,11		6,9.3	11,12
	16,18					

UYGMWN - 5842   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
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
	16,18					

UZ7RTM - 5841   GlobalFiler™ PCR Amplification Kit

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
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18	-			-	

VJUDA4 - 5841   GlobalFiler™ Express, GlobalFiler

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
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

VKUDDB - 5842   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
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
	16,18					

VTNJ8C - 5842   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
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
	16,18					

VXW24J - 5842   GlobalFiler™ PCR Amplification Kit

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
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 is the leftmost label column)

Item 2 - STR Results

VYDV9Z - 5840   GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23			23.2,29.2	6,9.3	11,12
16,18					

VYN33F - 5841   GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23			23.2,29.2	6,9.3	11,12
16,18	0,0				

W4ER66 - 5840   PowerPlex® Fusion — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23	12,14	5,11		6,9.3	11,12
16,18					

W8GNWK - 5841   PowerPlex® 5C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23	12,14	5,11		6,9.3	11,12
16,18					

WBZRGB - 5840   PowerPlex® Fusion, GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8,8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30,30	14,15	X,X	11,11
20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
16,18					

WD769B - 5840   Investigator® 24plex GO! — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25	11,15	15,19	11,12	
8	13,16	14,15	18,19	8,11	10,12
14,19	13,14.2	30	14,15	X	11
20,23			23.2,29.2	6,9.3	11,12
16,18					

WHXZ2M - 5840   PowerPlex® 21 — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,15	18,25		15,19	11,12	11,17
8,8	13,16		18,19	8,11	10,12
14,19	13,14.2	30,30		X,X	11,11
20,23	12,14	5,11		6,9.3	11,12
16,18					

TABLE 1

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
WebCode-Test	**Amplification Kits (Probablistic Genotyping Software)**					

Item 2 - STR Results

WRL9NE - 5842   GlobalFiler™ Express

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,15	18,25	11,15	15,19	11,12	
	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

WY7BVG - 5840   PowerPlex® ESI 16 FAST   (GeneMapper ID-X 1.5)

Item						
2	13,15	18,25	11,15	15,19		
		13,16	14,15	18,19		10,12
	14,19	13,14.2	30,30	14,15	X,X	
	20,23				6,9.3	
	16,18					

WYLQ6B - 5841   GlobalFiler™

Item						
2	13,15	18,25	11,15	15,19	11,12	
	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

WZDQZ2 - 5842   PowerPlex® Fusion 5C

Item						
2	13,15	18,25	11,15	15,19	11,12	
	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23	12,14	5,11		6,9.3	11,12
	16,18	NR				

X3L3H3 - 5842   PowerPlex® Fusion 5C

Item						
2	13,15	18,25	11,15	15,19	11,12	
	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23	12,14	5,11		6,9.3	11,12
	16,18	NR				

XBG4YG - 5840   GlobalFiler™ Express PCR Amplification Kit

Item						
2	13,15	18,25	11,15	15,19	11,12	
	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

XCBAER - 5840   PowerPlex® Fusion 5C

Item						
2	13,15	18,25	11,15	15,19	11,12	
	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23	12,14	5,11		6,9.3	11,12
	16,18					

TABLE 1

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

XJQPMB - 5840   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

XK2E99 - 5840   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23			23.2,29.2	6,9.3	11,12
	16,18	0,0				

XM8DJL - 5842   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

XTBWLZ - 5840   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
	16,18					

YPABAM - 5840   PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23	12,14	5,11		6,9.3	11,12
	16,18					

ZNG3WH - 5842   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8,8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30,30	14,15	X,X	11,11
	20,23	12,14	5,11	23.2,29.2	6,9.3	11,12
	16,18					

ZZAZTA - 5840   Investigator® 24plex GO!

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,15	18,25	11,15	15,19	11,12	
2	8	13,16	14,15	18,19	8,11	10,12
	14,19	13,14.2	30	14,15	X	11
	20,23			23.2,29.2	6,9.3	11,12
	16,18					

TABLE 1

WebCode-Test	Amplification Kits (Probablistic 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 column label appears at left)

Item 3 - STR Results

284KCG - 5841 PowerPlex® Fusion 5C

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25	9,12	7,11		6,9	10,11
14,17	11				

28LJNT - 5840 GlobalFiler™

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

2E46B7 - 5842 PowerPlex® Fusion 5C

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25	9,12	7,11		6,9	10,11
14,17	11				

2YAN3Y - 5841 GlobalFiler™ Express

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

3CCDWE - 5841 GlobalFiler™ PCR Amplification Kit

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

3R8UNX - 5840 PowerPlex® Fusion 5C

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25	9,12	7,11		6,9	10,11
14,17	11				

3THR2E - 5841 PowerPlex® Fusion 5C

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25	9,12	7,11		6,9	10,11
14,17	11				

TABLE 1

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

46AJHC - 5841   AmpFlSTR NGM kit   (GeneMapper ID)

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
3	11	17	14	18		
		13,14	13,14	20,24		11
	14,19	12,14	27,30	16,17	X,Y	
	19,25				6,9	
	14,17					

4HCCLU - 5842   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
3	11	17	14	18	11,12	
	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25	9,12	7,11	26.2,30.2	6,9	10,11
	14,17	11	17	17		

4RZ39L - 5840   GlobalFiler™

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
3	11,11	17,17	14,14	18,18	11,12	
	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

4WRGR2 - 5841   GlobalFiler™ Express

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
3	11,11	17,17	14,14	18,18	11,12	
	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11				

62JYPD - 5840   GlobalFiler™ Express, GlobalFiler

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
3	11,11	17,17	14,14	18,18	11,12	
	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

6W7ZCY - 5841   GlobalFiler™ Express

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
3	11,11	17,17	14,14	18,18	11,12	
	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11				

76ZJDE - 5840   PowerPlex® Fusion 5C

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
3	11,11	17,17	14,14	18,18	11,12	
	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25	9,12	7,11		6,9	10,11
	14,17	11				

TABLE 1

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

7J3WTQ - 5840   GlobalFiler™

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
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

7P67WX - 5841   GlobalFiler™

Item						
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

7P7JDJ - 5840   PowerPlex® Fusion 5C

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25	9,12	7,11		6,9	10,11
	14,17	11				

7Y9DEH - 5841   GlobalFiler™ Express

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

7Z7QX6 - 5842   GlobalFiler™ GFE

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

87NGW6 - 5840   GlobalFiler™

Item						
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

8PP22K - 5840   GlobalFiler™ Express

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column at left)

Item 3 - STR Results

8TPXGJ - 5840   PowerPlex® Fusion 5C

Item 3

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25	9,12	7,11		6,9	10,11
14,17	11				

93LZ2M - 5840   GlobalFiler™

Item 3

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

94EXAT - 5841   GlobalFiler™ Express

Item 3

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

9C9YP7 - 5840   GlobalFiler™ Express PCR Amplification kit   (Gene mapper ID-X1.4)

Item 3

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

9CDBD3 - 5842   PowerPlex® Fusion 5C

Item 3

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25	9,12	7,11		6,9	10,11
14,17	11				

9KQ8FN - 5840   PowerPlex® Fusion 6C

Item 3

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25	9,12	7,11	26.2,30.2	6,9	10,11
14,17	11	17	17		

9MTAYX - 5842   PowerPlex® Fusion 5C

Item 3

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25	9,12	7,11		6,9	10,11
14,17	11				

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column label appears at left of header rows)

Item 3 - STR Results

9ZX9AP - 5842   PowerPlex® Fusion 5C   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25	9,12	7,11		6,9	10,11
14,17	11				

AF9AL7 - 5842   GlobalFiler™ Express PCR Amplification Kit   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

ANHUN3 - 5840   PowerPlex® 5C   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25	9,12	7,11		6,9	10,11
14,17	11				

B7VXJT - 5841   GlobalFiler™   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

BKY4UR - 5841   GlobalFiler™ Express   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

BR29R3 - 5840   PowerPlex® Fusion 5C   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25	9,12	7,11		6,9	10,11
14,17	11				

BXKBXK - 5840   GlobalFiler™   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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

BXNXCD - 5841   GlobalFiler™ Express, GlobalFiler

Item 3

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

C9LEG9 - 5840   PowerPlex® Fusion 5C

Item 3

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25	9,12	7,11		6,9	10,11
14,17	11				

CHQUG7 - 5840   GlobalFiler™

Item 3

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

CPPTWG - 5840   GlobalFiler™ Express

Item 3

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

D4KGLL - 5842   PowerPlex® Fusion 5C

Item 3

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25	9,12	7,11		6,9	10,11
14,17	11				

DB274U - 5841   GlobalFiler™

Item 3

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

DCWTFX - 5840   GlobalFiler™

Item 3

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column at left)

Item 3 - STR Results

DRMTAJ - 5840   PowerPlex® Fusion 6C   (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25	9,12	7,11	26.2,30.2	6,9	10,11
14,17	11	17	17		

DTHGLM - 5841   GlobalFiler™ Express   (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

DUGGUZ - 5840   PowerPlex® Fusion 5C   (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25	9,12	7,11		6,9	10,11
14,17	11				

DUZ3MP - 5841   GlobalFiler™   (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

ECCCZV - 5842   GlobalFiler™ Express   (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

ED7XV8 - 5840   PowerPlex® Fusion 5C   (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25	9,12	7,11		6,9	10,11
14,17	11				

EK7GUW - 5842   GlobalFiler™ Express   (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column label at left)

Item 3 - STR Results

EU9XJ2 - 5840   GlobalFiler™ Express   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
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

EZY8TZ - 5840   PowerPlex® Fusion 5C   Item 3

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25	9,12	7,11		6,9	10,11
14,17	11				

FG3PA4 - 5842   GlobalFiler™ Express   Item 3

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

FK2HDU - 5841   PowerPlex® Fuaion 6C   Item 3

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25	9,12	7,11	26.2,30.2	6,9	10,11
14,17	11	17	17		

G2KV36 - 5841   GlobalFiler™ Express   Item 3

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

G9RMN3 - 5840   GlobalFiler™ Express   Item 3

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

GDZMQF - 5840   PowerPlex® Fusion 5C   Item 3

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25	9,12	7,11		6,9	10,11
14,17	11				

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column label appears at left of header.)

Item 3 - STR Results

GF3KYM - 5841   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
11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

H24YCQ - 5841   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
11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25	9,12	7,11	26.2,30.2	6,9	10,11
14,17	11	17	17		

H62EMZ - 5840   GlobalFiler™ Express   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
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

HDTVB4 - 5840   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
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25	9,12	7,11		6,9	10,11
14,17	11				

HELV7U - 5840   GlobalFiler™ Express   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
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11				

HQGZJZ - 5841   GlobalFiler™ Express, 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
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

HREAE4 - 5840   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
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25	9,12	7,11		6,9	10,11
14,17	11				

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column label: **Item**)

Item 3 - STR Results

HRXGVY - 5842   PowerPlex® Fusion 6C

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25	9,12	7,11	26.2,30.2	6,9	10,11
14,17	11	17	17		

(Item 3)

JMCQRV - 5841   GlobalFiler™

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

(Item 3)

JMUMCH - 5841   GlobalFiler™ Express

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

(Item 3)

JPMEQA - 5840   GlobalFiler™ Express

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

(Item 3)

JTLPLA - 5840   GlobalFiler™ Express

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

(Item 3)

JXV7VX - 5840   GlobalFiler™

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

(Item 3)

JYBQW2 - 5840   PowerPlex® 21

11,11	17,17		18,18	11,12	11,19
10,12	13,14		20,24	10,11	11,11
14,19	12,14	27,30		X,Y	11,11
19,25	9,12	7,11		6,9	10,11
14,17					

(Item 3)

TABLE 1

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

K79ALW - 5841   PowerPlex® Fusion 5C

Item						
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25	9,12	7,11		6,9	10,11
	14,17	11				

KBE8QV - 5840   GlobalFiler™

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

KC9XUN - 5842   GlobalFiler™ Express

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

KJR4TG - 5840   PowerPlex® Fusion 6C

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25	9,12	7,11	26.2,30.2	6,9	10,11
	14,17	11	17	17		

KUWCR8 - 5840   PowerPlex® Fusion

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25	9,12	7,11		6,9	10,11
	14,17	11				

L3MWEE - 5840   PowerPlex® Fusion 6C

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25	9,12	7,11	26.2,30.2	6,9	10,11
	14,17	11	17	17		

LEG9QR - 5840   PowerPlex® Fusion 5C

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25	9,12	7,11		6,9	10,11
	14,17	11				

TABLE 1

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

LJPTBH - 5841   GlobalFiler™

Item						
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

M8AYYP - 5842   PowerPlex® Fusion 6C

Item						
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25	9,12	7,11	26.2,30.2	6,9	10,11
	14,17	11	17	17		

M98BFQ - 5841   GlobalFiler™ PCR Amplification Kit   (GeneMapper ID-X 1.4)

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

M9NRBJ - 5842   PowerPlex® Fusion 6C

Item						
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25	9,12	7,11	26.2,30.2	6,9	10,11
	14,17	11	17	17		

MDGWZG - 5841   GlobalFiler™ Express

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11				

MJZZ8J - 5840   GlobalFiler™ Express

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11				

MKYLZW - 5842   GlobalFiler™ Express

Item						
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

TABLE 1

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

WebCode-Test Amplification Kits (Probablistic Genotyping Software)

Item 3 - STR Results

MLRQLB - 5840   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25	9,12	7,11	26.2,30.2	6,9	10,11
	14,17	11	17	17		

MQ42AY - 5841   GlobalFiler™ PCR Amplification Kit

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

MQ6RKN - 5842   PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25	9,12	7,11		6,9	10,11
	14,17	11				

MQ7RH3 - 5840   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

MRH9VF - 5841   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

MYE4VZ - 5842   GlobalFiler™ PCR Amplification kit   (Gene mapper ID-X1.4)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

NABLRK - 5842   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

TABLE 1

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

NL63GL - 5842   PowerPlex® Fusion 5C

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
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25	9,12	7,11		6,9	10,11
	14,17	11				

NWAV7F - 5840   NGM SElect

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
	11,11	17,17	14,14	18,18		
3		13,14	13,14	20,24		11,11
	14,19	12,14	27,30	16,17	X,Y	
	19,25			26.2,30.2	6,9	
	14,17					

P7UL6D - 5840   PowerPlex® Fusion

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
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25	9,12	7,11		6,9	10,11
	14,17	11				

P86MRC - 5840   PowerPlex® Fusion

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
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25	9,12	7,11		6,9	10,11
	14,17	11				

PA7NUU - 5840   GlobalFiler™ Express

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
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

PJGQFV - 5841   GlobalFiler™ Express

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
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

PLMWMU - 5842   Identifiler®, PowerPlex® 16, 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
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25	9,12	7,11	26.2,30.2	6,9	10,11
	14,17	11	17	17		

TABLE 1

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

PRNPLB - 5840   PowerPlex® Fusion

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25	9,12	7,11		6,9	10,11
	14,17	11				

PV9CKP - 5842   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

QA6YKQ - 5842   GlobalFiler™ Express PCR Amplification Kit

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

QUUXLZ - 5840   PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25	9,12	7,11		6,9	10,11
	14,17	11				

QXTAGZ - 5840   PowerPlex® 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25	9,12	7,11		6,9	10,11
	14,17	11				

R6QZ73 - 5840   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25	9,12	7,11	26.2,30.2	6,9	10,11
	14,17	11	17	17		

RF6W9L - 5840   GlobalFiler™ Express PCR Amplification Kit

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

TABLE 1

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

RTF82G - 5840   GlobalFiler™ Express

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
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

RUATRM - 5840   GlobalFiler™ Express PCR Amplification Kit   (Gene mapper ID-X1.4)

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

RUQAMF - 5842   GlobalFiler™ Express

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

T3ZYZE - 5842   PowerPlex® Fusion 6C

Item						
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25	9,12	7,11	26.2,30.2	6,9	10,11
	14,17	11	17	17		

T6ZAR9 - 5841   GlobalFiler™ Express

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

TDXUZV - 5841   GlobalFiler™ Express

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

TLRZWH - 5842   PowerPlex® Fusion 5C

Item						
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25	9,12	7,11		6,9	10,11
	14,17	11				

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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

TMPDGP - 5840   GlobalFiler™ Express, GlobalFiler   (Item 3)

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

TVYLZB - 5840   GlobalFiler™ Express   (Item 3)

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11				

U3VU3G - 5840   GlobalFiler™ Express   (Item 3)

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

U6ZNKY - 5840   GlobalFiler™   (Item 3)

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

U8QNZH - 5840   PowerPlex® Fusion 5C   (Item 3)

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25	9,12	7,11		6,9	10,11
14,17	11				

UPM9JN - 5841   PowerPlex® Fusion 5C   (Item 3)

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25	9,12	7,11		6,9	10,11
14,17	11				

UQHWWT - 5841   GlobalFiler™ Express   (Item 3)

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column at left)

Item 3 - STR Results

UTLKFN - 5841   PowerPlex® Fusion 5C

Item: 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25	9,12	7,11		6,9	10,11
14,17	11				

UYGMWN - 5842   PowerPlex® Fusion 6C

Item: 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25	9,12	7,11	26.2,30.2	6,9	10,11
14,17	11	17	17		

UZ7RTM - 5841   GlobalFiler™ PCR Amplification Kit

Item: 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

VJUDA4 - 5841   GlobalFiler™ Express, GlobalFiler

Item: 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

VKUDDB - 5842   PowerPlex® Fusion 6C

Item: 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25	9,12	7,11	26.2,30.2	6,9	10,11
14,17	11	17	17		

VTNJ8C - 5842   PowerPlex® Fusion 6C

Item: 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25	9,12	7,11	26.2,30.2	6,9	10,11
14,17	11	17	17		

VXW24J - 5842   GlobalFiler™ PCR Amplification Kit

Item: 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column label applies to all rows)

Item 3 - STR Results

VYDV9Z - 5840   GlobalFiler™ Express — 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
11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

VYN33F - 5841   GlobalFiler™ Express — Item 3

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11				

W4ER66 - 5840   PowerPlex® Fusion — Item 3

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25	9,12	7,11		6,9	10,11
14,17	11				

W8GNWK - 5841   PowerPlex® 5C — Item 3

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25	9,12	7,11		6,9	10,11
14,17	11				

WBZRGB - 5840   PowerPlex® Fusion, GlobalFiler™ Express — Item 3

11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25	9,12	7,11	26.2,30.2	6,9	10,11
14,17	11			2	

WD769B - 5840   Investigator® 24plex GO! — Item 3

11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25			26.2,30.2	6,9	10,11
14,17	11				

WHXZ2M - 5840   PowerPlex® 21 — Item 3

11,11	17,17		18,18	11,12	11,19
10,12	13,14		20,24	10,11	11,11
14,19	12,14	27,30		X,Y	11,11
19,25	9,12	7,11		6,9	10,11
14,17					

TABLE 1

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

WRL9NE - 5842   GlobalFiler™ Express

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

WY7BVG - 5840   PowerPlex® ESI 16 FAST   (GeneMapper ID-X 1.5)

Item						
	11,11	17,17	14,14	18,18		
3		13,14	13,14	20,24		11,11
	14,19	12,14	27,30	16,17	X,Y	
	19,25				6,9	
	14,17					

WYLQ6B - 5841   GlobalFiler™

Item						
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

WZDQZ2 - 5842   PowerPlex® Fusion 5C

Item						
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25	9,12	7,11		6,9	10,11
	14,17	11				

X3L3H3 - 5842   PowerPlex® Fusion 5C

Item						
	11	17	14	18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11
	14,19	12,14	27,30	16,17	X,Y	11
	19,25	9,12	7,11		6,9	10,11
	14,17	11				

XBG4YG - 5840   GlobalFiler™ Express PCR Amplification Kit

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25			26.2,30.2	6,9	10,11
	14,17	11			2	

XCBAER - 5840   PowerPlex® Fusion 5C

Item						
	11,11	17,17	14,14	18,18	11,12	
3	10,12	13,14	13,14	20,24	10,11	11,11
	14,19	12,14	27,30	16,17	X,Y	11,11
	19,25	9,12	7,11		6,9	10,11
	14,17	11				

TABLE 1

WebCode-Test Amplification Kits (Probablistic 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 column spans all rows)

Item 3 - STR Results

XJQPMB - 5840   GlobalFiler™ Express   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

XK2E99 - 5840   GlobalFiler™ Express   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25			26.2,30.2	6,9	10,11
14,17	11				

XM8DJL - 5842   GlobalFiler™ Express   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25			26.2,30.2	6,9	10,11
14,17	11			2	

XTBWLZ - 5840   PowerPlex® Fusion 6C   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25	9,12	7,11	26.2,30.2	6,9	10,11
14,17	11	17	17		

YPABAM - 5840   PowerPlex® Fusion 5C   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25	9,12	7,11		6,9	10,11
14,17	11				

ZNG3WH - 5842   PowerPlex® Fusion 6C   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,11	17,17	14,14	18,18	11,12	
10,12	13,14	13,14	20,24	10,11	11,11
14,19	12,14	27,30	16,17	X,Y	11,11
19,25	9,12	7,11	26.2,30.2	6,9	10,11
14,17	11	17	17		

ZZAZTA - 5840   Investigator® 24plex GO!   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11	17	14	18	11,12	
10,12	13,14	13,14	20,24	10,11	11
14,19	12,14	27,30	16,17	X,Y	11
19,25			26.2,30.2	6,9	10,11
14,17	11				

YSTR Amplification Kit(s) & Results

TABLE 2

WebCode-Test 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**	**YGATAH4**

Item 1 - YSTR Results

3CCDWE-5841 — Yfiler® Plus PCR Amplification Kit

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
35,36	15	11,15	12	28	24	11	13	13
15	12	10	19	29	16	16	11	22
38	11		17	17	21	23		12

3THR2E-5841 — PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		22
	11	13	17	17		23	10	12

46AJHC-5841 — Yfiler®

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		
						23		12

4HCCLU-5842 — PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		22
	11	13	17	17		23	10	12

7P67WX-5841

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		
						23		12

7Z7QX6-5842 — PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		22
	11	13	17	17		23	10	12

94EXAT-5841 — Yfiler®

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		
						23		12

9C9YP7-5840 — Yfiler® Plus PCR Amplification Kit

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
35,36	15	11,15	12	28	24	11	13	13
15	12	10	19	29	16	16	11	22
38	11		17	17	21	23		12

9CDBD3-5842 — PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		22
	11	13	17	17		23	10	12

9MTAYX-5842 — Yfiler®

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		
						23		12

9ZX9AP-5842 — Yfiler®, Fusion 5C

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		
						23		12

TABLE 2

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

Item 1 - YSTR Results

Item									
AF9AL7-5842	Yfiler® Plus PCR Amplification Kit								
1	35,36	15	11,15	12	28	24	11	13	13
	15	12	10	19	29	16	16	11	22
	38	11		17	17	21	23		12
BKY4UR-5841	Yfiler®								
1		15	11,15	12	28	24	11	13	13
	15	12	10	19		16	16		
							23		12
BR29R3-5840	PowerPlex® Y 23								
1		15	11,15	12	28	24	11	13	13
	15	12	10	19		16	16		22
		11	13	17	17		23	10	12
D4KGLL-5842	Yfiler®								
1		15	11,15	12	28	24	11	13	13
	15	12	10	19		16	16		
							23		12
ECCCZV-5842	PowerPlex® Y 23								
1		15	11,15	12	28	24	11	13	13
	15	12	10	19		16	16		22
		11	13	17	17		23	10	12
EK7GUW-5842	PowerPlex® Y 23								
1		15	11,15	12	28	24	11	13	13
	15	12	10	19		16	16		22
		11	13	17	17		23	10	12
EU9XJ2-5840	Yfiler®								
1		15	11,15	12	28	24	11	13	13
	15	12	10	19		16	16		
							23		12
H24YCQ-5841	Yfiler® Plus								
1	35,36	15	11,15	12	28	24	11	13	13
	15	12	10	19	29	16	16	11	22
	38	11		17	17	21	23		12
HDTVB4-5840	PowerPlex® Y 23								
1		15	11,15	12	28	24	11	13	13
	15	12	10	19		16	16		22
		11	13	17	17		23	10	12
JMCQRV-5841	Yfiler® Plus								
1	35,36	15	11,15	12	28	24	11	13	13
	15	12	10	19	29	16	16	11	22
	38	11		17	17	21	23		12
JXV7VX-5840	Yfiler® Plus								
1	35,36	15	11,15	12	28	24	11	13	13
	15	12	10	19	29	16	16	11	22
	38	11		17	17	21	23		12

TABLE 2

WebCode-Test 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 / YGATAH4

Item 1 - YSTR Results

K79ALW-5841 — PowerPlex® Y 23

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
1		15	11,15	12	28	24	11	13	13
	15	12	10	19		16	16		22
		11	13	17	17		23	10	12

KBE8QV-5840 — Yfiler® Plus

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
1	35,36	15	11,15	12	28	24	11	13	13
	15	12	10	19	29	16	16	11	22
	38	11		17	17	21	23		12

KC9XUN-5842 — PowerPlex® Y 23

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
1		15	11,15	12	28	24	11	13	13
	15	12	10	19		16	16		22
		11	13	17	17		23	10	12

M8AYYP-5842 — PowerPlex® Y 23

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
1		15	11,15	12	28	24	11	13	13
	15	12	10	19		16	16		22
		11	13	17	17		23	10	12

M98BFQ-5841 — Yfiler® Plus PCR Amplification Kit

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
1	35,36	15	11,15	12	28	24	11	13	13
	15	12	10	19	29	16	16	11	22
	38	11		17	17	21	23		12

M9NRBJ-5842 — PowerPlex® Y 23

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
1		15	11,15	12	28	24	11	13	13
	15	12	10	19		16	16		22
		11	13	17	17		23	10	12

MQ42AY-5841 — Yfiler® PCR Amplification Kit

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
1	35,36	15	11,15	12	28	24	11	13	13
	15	12	10	19	29	16	16	11	22
	38	11		17	17	21	23		12

MQ7RH3-5840 — Yfiler®

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
1		15	11,15	12	28	24	11	13	13
	15	12	10	19		16	16		
							23		12

MYE4VZ-5842 — Yfiler® Plus PCR Amplification Kit

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
1	35,36	15	11,15	12	28	24	11	13	13
	15	12	10	19	29	16	16	11	22
	38	11		17	17	21	23		12

NABLRK-5842 — Yfiler® Plus

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
1	35,36	15	11,15	12	28	24	11	13	13
	15	12	10	19	29	16	16	11	22
	38	11		17	17	21	23		12

P86MRC-5840 — Yfiler®

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
1		15	11,15	12	28	24	11	13	13
	15	12	10	19		16	16		
							23		12

TABLE 2

WebCode-Test / 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	YGATAH4

Item 1 - YSTR Results

PA7NUU-5840 — Yfiler® (Item 1)

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		
						23		12

PLMWMU-5842 — Yfiler® (Item 1)

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		
						23		12

PV9CKP-5842 — Yfiler® Plus (Item 1)

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
35,36	15	11,15	12	28	24	11	13	13
15	12	10	19	29	16	16	11	22
38	11		17	17	21	23		12

QA6YKQ-5842 — Yfiler® Plus PCR Amplification Kit (Item 1)

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
35,36	15	11,15	12	28	24	11	13	13
15	12	10	19	29	16	16	11	22
38	11		17	17	21	23		12

RF6W9L-5840 — Yfiler® Plus PCR Amplification Kit (Item 1)

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
35,36	15	11,15	12	28	24	11	13	13
15	12	10	19	29	16	16	11	22
38	11		17	17	21	23		12

RTF82G-5840 — Yfiler® Plus (Item 1)

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
35,36	15	11,15	12	28	24	11	13	13
15	12	10	19	29	16	16	11	22
38	11		17	17	21	23		12

RUATRM-5840 — Yfiler® Plus PCR Amplification Kit (Item 1)

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
35,36	15	11,15	12	28	24	11	13	13
15	12	10	19	29	16	16	11	22
38	11		17	17	21	23		12

RUQAMF-5842 — PowerPlex® Y 23 (Item 1)

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		22
	11	13	17	17		23	10	12

T3ZYZE-5842 — PowerPlex® Y 23 (Item 1)

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		22
	11	13	17	17		23	10	12

U3VU3G-5840 — Yfiler® Plus (Item 1)

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
35,36	15	11,15	12	28	24	11	13	13
15	12	10	19	29	16	16	11	22
38	11		17	17	21	23		12

UQHWWT-5841 — Yfiler® (Item 1)

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		
						23		12

TABLE 2

WebCode-Test 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	YGATAH4

Item 1 - YSTR Results

UZ7RTM-5841 Yfiler® Plus PCR Amplification Kit

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
35,36	15	11,15	12	28	24	11	13	13
15	12	10	19	29	16	16	11	22
38	11		17	17	21	23		12

VKUDDB-5842 PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		22
	11	13	17	17		23	10	12

VTNJ8C-5842 PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		22
	11	13	17	17		23	10	12

VXW24J-5842 Yfiler® Plus PCR Amplification Kit

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
35,36	15	11,15	12	28	24	11	13	13
15	12	10	19	29	16	16	11	22
38	11		17	17	21	23		12

W4ER66-5840 Yfiler®

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		
						23		12

W8GNWK-5841 PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		22
	11	13	17	17		23	10	12

WBZRGB-5840 Yfiler® Plus, PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
35,36	15	11,15	12	28	24	11	13	13
15	12	10	19	29	16	16	11	22
38	11	13	17	17	21	23	10	12

WRL9NE-5842 PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		22
	11	13	17	17		23	10	12

WY7BVG-5840 Yfiler® Plus

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
35,36	15	11,15	12	28	24	11	13	13
15	12	10	19	29	16	16	11	22
38	11		17	17	21	23		12

WZDQZ2-5842 Yfiler®

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		
						23		12

X3L3H3-5842 Yfiler®

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	11,15	12	28	24	11	13	13
15	12	10	19		16	16		
						23		12

TABLE 2

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

Item 1 - YSTR Results

XBG4YG-5840   Yfiler® Plus PCR Amplification Kit

Item									
1	35,36	15	11,15	12	28	24	11	13	13
	15	12	10	19	29	16	16	11	22
	38	11		17	17	21	23		12

XJQPMB-5840   Yfiler® Plus

Item									
1	35,36	15	11,15	12	28	24	11	13	13
	15	12	10	19	29	16	16	11	22
	38	11		17	17	21	23		12

TABLE 2

WebCode-Test 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	YGATAH4

Item 2 - YSTR Results

WebCode-Test Item	Amplification Kit	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3THR2E-5841 / 2	PowerPlex® Y 23									
7Z7QX6-5842 / 2	PowerPlex® Y 23									
94EXAT-5841 / 2	Yfiler®									
9MTAYX-5842 / 2	Yfiler®		NR	NR,NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR		NR	NR		
								NR		NR
9ZX9AP-5842 / 2	Yfiler®, Fusion 5C		NR	NR,NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR		NR	NR		
								NR		NR
BKY4UR-5841 / 2	Yfiler®									
BR29R3-5840 / 2	PowerPlex® Y 23									
D4KGLL-5842 / 2	Yfiler®		NR	NR,NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR		NR	NR		
								NR		NR
ECCCZV-5842 / 2	PowerPlex® Y 23	N						N/A		
HDTVB4-5840 / 2	PowerPlex® Y 23									
KC9XUN-5842 / 2	PowerPlex® Y 23									

TABLE 2

WebCode-Test 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	YGATAH4

Item 2 - YSTR Results

MQ7RH3-5840 — 2 — Yfiler®

PA7NUU-5840 — 2 — Yfiler®

PLMWMU-5842 — 2 — Yfiler®

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	0	0	0	0	0	0	0	0
DYS437: 0	DYS438: 0	DYS439: 0	DYS448: 0	DYS449:	DYS456: 0	DYS458: 0	DYS460:	DYS481:
DYS518:	DYS533:	DYS549:	DYS570:	DYS576:	DYS627: 0	DYS635:	DYS643: 0	YGATAH4:

RUQAMF-5842 — 2 — PowerPlex® Y 23

UQHWWT-5841 — 2 — Yfiler®

WRL9NE-5842 — 2 — PowerPlex® Y 23

WZDQZ2-5842 — 2 — Yfiler®

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

X3L3H3-5842 — 2 — Yfiler®

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

TABLE 2

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

Item 3 - YSTR Results

3CCDWE-5841 Yfiler® Plus PCR 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 / YGATAH4
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

3THR2E-5841 PowerPlex® Y 23

	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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		25
		13	12	17	17		23	10	12

46AJHC-5841 Yfiler®

	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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		
							23		12

4HCCLU-5842 PowerPlex® Y 23

	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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		25
		13	12	17	17		23	10	12

7P67WX-5841

	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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		
							23		12

7Z7QX6-5842 PowerPlex® Y 23

	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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		25
		13	12	17	17		23	10	12

94EXAT-5841 Yfiler®

	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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		
							23		12

9C9YP7-5840 Yfiler® Plus PCR 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 / YGATAH4
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30,30	17	17	11	25
	38	13		17	17	23	23		12

9CDBD3-5842 PowerPlex® Y 23

	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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		25
		13	12	17	17		23	10	12

9MTAYX-5842 Yfiler®

	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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		
							23		12

9ZX9AP-5842 Yfiler®, Fusion 5C

	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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		
							23		12

TABLE 2

WebCode-Test 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 YGATAH4

Item 3 - YSTR Results

AF9AL7-5842 — Yfiler® Plus PCR Amplification Kit

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 / YGATAH4
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

BKY4UR-5841 — Yfiler®

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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		
							23		12

BR29R3-5840 — PowerPlex® Y 23

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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		25
		13	12	17	17		23	10	12

D4KGLL-5842 — Yfiler®

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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		
							23		12

ECCCZV-5842 — PowerPlex® Y 23

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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		25
		13	12	17	17		23	10	12

EK7GUW-5842 — PowerPlex® Y 23

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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		25
		13	12	17	17		23	10	12

EU9XJ2-5840 — Yfiler®

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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		
							23		12

H24YCQ-5841 — Yfiler® Plus

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 / YGATAH4
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

HDTVB4-5840 — PowerPlex® Y 23

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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		25
		13	12	17	17		23	10	12

JMCQRV-5841 — Yfiler® Plus

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 / YGATAH4
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

JXV7VX-5840 — Yfiler® Plus

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 / YGATAH4
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

TABLE 2

WebCode-Test / 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 / YGATAH4

Item 3 - YSTR Results

K79ALW-5841 PowerPlex® Y 23

Item									
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		25
		13	12	17	17		23	10	12

KBE8QV-5840 Yfiler® Plus

Item									
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

KC9XUN-5842 PowerPlex® Y 23

Item									
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		25
		13	12	17	17		23	10	12

M8AYYP-5842 PowerPlex® Y 23

Item									
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		25
		13	12	17	17		23	10	12

M98BFQ-5841 Yfiler® Plus PCR Amplification Kit

Item									
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

M9NRBJ-5842 PowerPlex® Y 23

Item									
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		25
		13	12	17	17		23	10	12

MQ42AY-5841 Yfiler® Plus PCR Amplification Kit

Item									
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

MQ7RH3-5840 Yfiler®

Item									
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		
							23		12

MYE4VZ-5842 Yfiler® Plus PCR Amplification Kit

Item									
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

NABLRK-5842 Yfiler® Plus

Item									
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

P86MRC-5840 Yfiler®

Item									
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		
							23		12

TABLE 2

WebCode-Test 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	YGATAH4

Item 3 - YSTR Results

PA7NUU-5840 — Yfiler®

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		
							23		12

PLMWMU-5842 — Yfiler®

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		
							23		12

PV9CKP-5842 — Yfiler® Plus

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

QA6YKQ-5842 — Yfiler® Plus PCR Amplification Kit

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

RF6W9L-5840 — Yfiler® Plus PCR Amplification Kit

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

RTF82G-5840 — Yfiler® Plus

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

RUATRM-5840 — Yfiler® Plus PCR Amplification Kit

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

RUQAMF-5842 — PowerPlex® Y 23

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		25
		13	12	17	17		23	10	12

T3ZYZE-5842 — PowerPlex® Y 23

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		25
		13	12	17	17		23	10	12

U3VU3G-5840 — Yfiler® Plus

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

UQHWWT-5841 — Yfiler®

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		
							23		12

TABLE 2

WebCode-Test 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 YGATAH4

Item 3 - YSTR Results

UZ7RTM-5841 — Yfiler® Plus PCR Amplification Kit

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 / YGATAH4
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

VKUDDB-5842 — PowerPlex® Y 23

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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		25
		13	12	17	17		23	10	12

VTNJ8C-5842 — PowerPlex® Y 23

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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		25
		13	12	17	17		23	10	12

VXW24J-5842 — Yfiler® Plus PCR Amplification Kit

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 / YGATAH4
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

W4ER66-5840 — Yfiler®

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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		
							23		12

W8GNWK-5841 — PowerPlex® Y 23

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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		25
		13	12	17	17		23	10	12

WBZRGB-5840 — Yfiler® Plus, PowerPlex® Y 23

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 / YGATAH4
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13	12	17	17	23	23	10	12

WRL9NE-5842 — PowerPlex® Y 23

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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		25
		13	12	17	17		23	10	12

WY7BVG-5840 — Yfiler® Plus

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 / YGATAH4
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

WZDQZ2-5842 — Yfiler®

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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		
							23		12

X3L3H3-5842 — Yfiler®

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 / YGATAH4
3		14	11,13	13	29	25	11	14	13
	14	12	12	18		17	17		
							23		12

TABLE 2

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

Item 3 - YSTR Results

XBG4YG-5840   Yfiler® Plus PCR Amplification Kit

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

XJQPMB-5840   Yfiler® Plus

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3	36,39	14	11,13	13	29	25	11	14	13
	14	12	12	18	30	17	17	11	25
	38	13		17	17	23	23		12

Additional DNA Results

TABLE 3

*All Additional DNA reported for Loci found elsewhere in this report
have been moved to the applicable location by CTS.*

Locus	WebCode-Test	Item 1	Item 2	Item 3
DXS10074	EU9XJ2-5840	18	7,17	18
DXS10079	EU9XJ2-5840	19	19,21	20
DXS10101	EU9XJ2-5840	29.2	30.2,34.2	32
DXS10103	EU9XJ2-5840	19	19,19	18
DXS10134	EU9XJ2-5840	34	33,36	36
DXS10135	EU9XJ2-5840	27	21,25	26
DXS10146	EU9XJ2-5840	27	27,31	40.2
DXS10148	EU9XJ2-5840	27.1	23,27.1	26.1
DXS7132	EU9XJ2-5840	14	16,16	14
DXS7423	EU9XJ2-5840	15	15,17	14
DXS8378	EU9XJ2-5840	12	10,11	12
HPRTB	EU9XJ2-5840	11	13,14	12

Additional Comments

TABLE 4

WebCode-Test	Additional Comments
4WRGR2-5841	Y Indel is not analyzed by the database laboratory; therefore, no Y Indel results are reported.
6W7ZCY-5841	Y-indel not analyzed per laboratory SOP. Incorrect laboratory item number(s) attached to sample envelope(s) during proficiency test check in. This was discovered by Biologist at time of analysis. Corrected laboratory item numbers were applied to sample envelopes. See email documentation in PT packet for additional details. [Documentation not included.]
76ZJDE-5840	NR= No Result
7P67WX-5841	YSTR analysis was not performed on Item 2 due to no male DNA being detected utilizing Quantifiler Trio.
7P7JDJ-5840	Sample 1 was problematic for our laboratory using a direct amp with Promega's Fusion 5C. To troubleshoot this problematic sample we have: 1. Punched (sampled) 5 areas of a first set of six individual tests using our standard procedure of a 1.2 mm robotic punch. 2. Re punched another 5 areas of the first set of six tests. 3. Requested 6 replacement tests. 4. Punched 5 areas of the six replacement tests. 5. Double punched sample 1 from multiple tests in an attempt to get a more concentrated sample. 6. Following our SOP we increased to our maximum allowable volume of Promega's 5X amp solution. 7. Punched again and amplified at full reaction volumes in an effort to dilute out any inhibitors. (Note: we are a half volume reaction lab). None of the above troubleshooting steps produced a full profile for sample 1. 8. Had our casework lab EZ1 extract four punches of sample 1 and quant those extracts. Quant values averaged at 0.28 ng/ul and had a degradation index of 1.0. 9. Ran the casework extracted DNA in our database lab with a direct amp of Fusion 5C and did not get a full profile for sample 1. 10. Had our CASEWORK lab amplify sample 1 from EZ1 extracted punches and Chelex extracted punches of sample 1 and DID get full DNA profiles using the GlobalFiler amplification kit. We are not reporting the full profiles for sample 1 in this CTS test that were developed in our casework lab using the GlobalFiler amplification kit as this practice was used for troubleshooting and is outside of our normal database workflow. 11. Additionally our laboratory has been in contact with CTS and Promega about our difficulties developing a full profile from sample 1 in this batch of tests. 12. Our laboratory has also been in contact with other crime laboratories and is aware of multiple other labs that have had a difficult time obtaining a full profile from sample 1. composed on April 16, 2020 by: [Name], [Laboratory]
8TPXGJ-5840	Sample 1 was problematic for our laboratory using a direct amp with Promega's Fusion 5C. To troubleshoot this problematic sample we have: 1. Punched (samples) 5 areas of a first set of six individual tests using our standard procedure of a 1.2 mm robotic punch. 2. Re punched another 5 areas of the first set of six tests 3. Requested 6 replacement tests 4. Punched 5 areas of the six replacement tests 5. Double punched sample 1 from multiple tests in an attempt to get a more concentrated sample. 6. Following our SOP we increased to our maximum allowable volume of Promega's 5X amp solution. 7. Punched again and amplified at full reaction volumes in an effort to dilute out any inhibitors. (Note: we are a half volume reaction lab). None of the above troubleshooting steps produced a full profile for sample 1. 8. Had our casework lab EZ1 extract four punches of sample 1 and quant those extracts. Quant values averaged at 0.28 ng/ul and had a degradation index of 1.0. 9. Ran the casework extracted DNA in our database lab with a direct amp of Fusion 5C and did not get a full profile for sample 1. 10. Had our CASEWORK lab amplify sample 1 from EZ1 extracted punches and Chelex extracted punches of sample 1 and DID get full DNA profiles using the GlobalFiler amplification kit. We are not reporting the full profiles for sample 1 in this CTS test that were developed in our casework lab using the GlobalFiler amplification kit as this practice was used for troubleshooting and is outside of our normal database workflow. 11. Additionally our laboratory has been in contact with CTS and Promega about our difficulties developing a full profile from sample 1 in this batch of tests. 12. Our laboratory has also been in contact with other crime laboratories and is aware of multiple other labs that have had a difficult time obtaining a full profile from sample 1. composed on April 16, 2020 by: [Name], [Laboratory]

TABLE 4

WebCode-Test	Additional Comments
9CDBD3-5842	Samples labeled Item 1, Item 2, and Item 3 were tested and charted using the PCR based Promega PowerPlex Fusion 5C System. Sampled labeled Item 1 and Item 3 were tested and charted using the PCR-based Promega PowerPlex Y23 System. All evidence will be retained at [Laboratory] until the proficiency results are confirmed, at which point the evidence will be discarded.
9MTAYX-5842	PowerPlex Fusion 5C/Yfiler was performed on item 1, item 2, and item 3. Results were concordant at all overlapping loci (DYS391).
9ZX9AP-5842	Fusion and YFiler testing was performed on all items. All items are concordant at DYS391.
C9LEG9-5840	NR = No Result
D4KGLL-5842	Fusion and Y-Filer were performed on all items. Results were concordant at DYS391.
DB274U-5841	The initial extraction performed for item one failed in amplification. The vendor's standard practice with its initial extraction is to amplify the extract without quantification. The second extract of Item 1 produced a yield of 0.005ng/ul. Two attempts to amplify this extract produced a partial profile at two loci. The vendor laboratory reported the sample as failed after three attempts to type.
DUGGUZ-5840	Full STR profile was obtained on Item 1 with the exception of DYS391. DYS391 allele height was below reporting threshold.
FK2HDU-5841	NR = no results
G9RMN3-5840	NR = No Result
GDZMQF-5840	Sample 1 was very difficult to work with. There was a great deal of inhibition making it difficult to determine the profile. It was analyzed multiple times.
GF3KYM-5841	Due to drop out at several loci in Sample 1, it was amplified using the GlobalFiler direct amplification procedure twice and manually extracted/ amplified for the third time. The expected results were produced from the manual extraction and amplification.
H24YCQ-5841	NR = NO RESULTS
HELV7U-5840	Y indel is not analyzed by the database laboratory; therefore, no Y indel results are reported.
HRXGVY-5842	Lab analysis performed using manual methods. Data interpreted and reported by [Name].
KUWCR8-5840	Sample 1 was problematic for our laboratory using a direct amp with Promega's Fusion 5C. To troubleshoot this problematic sample we have: 1. Punched (samples) 5 areas of a first set of six individual tests using our standard procedure of a 1.2 mm robotic punch. 2. Re punched another 5 areas of the first set of six tests 3. Requested 6 replacement tests 4. Punched 5 areas of the six replacement tests 5. Double punched sample 1 from multiple tests in an attempt to get a more concentrated sample. 6. Following our SOP we increased to our maximum allowable volume of Promega's 5X amp solution. 7. Punched again and amplified at full reaction volumes in an effort to dilute out any inhibitors. (Note: we are a half volume reaction lab). None of the above troubleshooting steps produced a full profile for sample 1. 8. Had our casework lab EZ1 extract four punches of sample 1 and quant those extracts. Quant values averaged at 0.28 ng/ul and had a degradation index of 1.0. 9. Ran the casework extracted DNA in our database lab with a direct amp of Fusion 5C and did not get a full profile for sample 1. 10. Had our CASEWORK lab amplify sample 1 from EZ1 extracted punches and Chelex extracted punches of sample 1 and DID get full DNA profiles using the GlobalFiler amplification kit. We are not reporting the full profiles for sample 1 in this CTS test that were developed in our casework lab using the GlobalFiler amplification kit as this practice was used for troubleshooting and is outside of our normal database workflow. 11. Additionally our laboratory has been in contact with CTS and Promega about our difficulties developing a full profile from sample 1 in this batch of tests. 12. Our laboratory has also been in contact with other crime laboratories and is aware of multiple other labs that have had a difficult time obtaining a full profile from sample 1. composed on April 16, 2020 by: [Name], [Laboratory]

TABLE 4

WebCode-Test	Additional Comments
M8AYYP-5842	Items 1-3 were tested and charted using the PCR-based Promega Powerplex Fusion 6C System. Items 1 and 2 were also tested and charted using the PCR-based Promega Powerplex Fusion Y23 System. All evidence will be retained at [Laboratory] until the proficiency results are confirmed, at which point the evidence will be discarded.
MDGWZG-5841	Per validation, Y indel range filter turned off, therefore will not be interpreted. Biologist identified issue regarding sample labels and notified QA group. Issue was identified and corrected; email communications included. [Communications not included.]
MJZZ8J-5840	Y indel not analyzed per protocol, therefore no Y indel results.
MKYLZW-5842	Item 2 was re-analyzed using GlobalFiler amplification reagents with 100% concordance.
MQ6RKN-5842	Samples labeled Item 1, Item 2, and Item 3 were tested and charted using the PCR-based Promega PowerPlex Fusion 5C System. All evidence will be retained at [Laboratory] until the proficiency results are confirmed, at which point the evidence will be discarded.
NABLRK-5842	NR = No Results
NL63GL-5842	Samples labeled Item 1, Item 2, and Item 3 were tested and charted using the PCR based Promega PowerPlex Fusion 5C System. All evidence will be retained at [Laboratory] until the proficiency results are confirmed, at which point the evidence will be discarded.
QUUXLZ-5840	Sample 1 was problematic for our laboratory using a direct amp with Promega's Fusion 5C. To troubleshoot this problematic sample we have: 1. Punched (samples) 5 areas of a first set of six individual tests using our standard procedure of a 1.2 mm robotic punch. 2. Re punched another 5 areas of the first set of six tests 3. Requested 6 replacement tests 4. Punched 5 areas of the six replacement tests 5. Double punched sample 1 from multiple tests in an attempt to get a more concentrated sample. 6. Following our SOP we increased to our maximum allowable volume of Promega's 5X amp solution. 7. Punched again and amplified at full reaction volumes in an effort to dilute out any inhibitors. (Note: we are a half volume reaction lab). None of the above troubleshooting steps produced a full profile for sample 1. 8. Had our casework lab EZ1 extract four punches of sample 1 and quant those extracts. Quant values averaged at 0.28 ng/ul and had a degradation index of 1.0. 9. Ran the casework extracted DNA in our database lab with a direct amp of Fusion 5C and did not get a full profile for sample 1. 10. Had our CASEWORK lab amplify sample 1 from EZ1 extracted punches and Chelex extracted punches of sample 1 and DID get full DNA profiles using the GlobalFiler amplification kit. We are not reporting the full profiles for sample 1 in this CTS test that were developed in our casework lab using the GlobalFiler amplification kit as this practice was used for troubleshooting and is outside of our normal database workflow. 11. Additionally our laboratory has been in contact with CTS and Promega about our difficulties developing a full profile from sample 1 in this batch of tests. 12. Our laboratory has also been in contact with other crime laboratories and is aware of multiple other labs that have had a difficult time obtaining a full profile from sample 1. composed on April 16, 2020 by: [Name], [Laboratory]

TABLE 4

WebCode-Test	Additional Comments
QXTAGZ-5840	Sample 1 was problematic for our laboratory using a direct amp with Promega's Fusion 5C. To troubleshoot this problematic sample we have: 1. Punched (samples) 5 areas of a first set of six individual tests using our standard procedure of a 1.2 mm robotic punch. 2. Re punched another 5 areas of the first set of six tests 3. Requested 6 replacement tests 4. Punched 5 areas of the six replacement tests 5. Double punched sample 1 from multiple tests in an attempt to get a more concentrated sample. 6. Following our SOP we increased to our maximum allowable volume of Promega's 5X amp solution. 7. Punched again and amplified at full reaction volumes in an effort to dilute out any inhibitors. (Note: we are a half volume reaction lab). None of the above troubleshooting steps produced a full profile for sample 1. 8. Had our casework lab EZ1 extract four punches of sample 1 and quant those extracts. Quant values averaged at 0.28 ng/ul and had a degradation index of 1.0. 9. Ran the casework extracted DNA in our database lab with a direct amp of Fusion 5C and did not get a full profile for sample 1. 10. Had our CASEWORK lab amplify sample 1 from EZ1 extracted punches and Chelex extracted punches of sample 1 and DID get full DNA profiles using the GlobalFiler amplification kit. We are not reporting the full profiles for sample 1 in this CTS test that were developed in our casework lab using the GlobalFiler amplification kit as this practice was used for troubleshooting and is outside of our normal database workflow. 11. Additionally our laboratory has been in contact with CTS and Promega about our difficulties developing a full profile from sample 1 in this batch of tests. 12. Our laboratory has also been in contact with other crime laboratories and is aware of multiple other labs that have had a difficult time obtaining a full profile from sample 1. composed on April 16, 2020 by: [Name], [Laboratory]
TVYLZB-5840	The [Laboratory] DNA Database does not utilize the Y-indel during analysis.
U8QNZH-5840	Automated extraction of Item 1 was attempted twice and a usable profile was not obtained. The laboratory maintains a manual extraction method, but the reporting technician is not competency tested to perform this extraction method.
VYN33F-5841	The [Laboratory] DNA Database Unit does not analyze the Y indel in the Globalfiler Express kit and therefore, no Y indel results are reported.
WD769B-5840	Item 1, Individual 1 Sample #: 202001775. Item 2, Individual 2 Sample #: 202001776. Item 3, Individual 3 Sample #: 202001777. Incomplete profile achieved for Item 1, Individual 1 (202001775). Most loci were below threshold during first processing of sample. During second processing: vWA and D7S820 were below threshold; D8S1179 and D2S1338 were homozygous exhibiting low peak height. [Name] 03/19/2020
WZDQZ2-5842	PowerPlex Fusion 5C and YFiler was performed on Item 1, Item 2 and Item 3. Results were concordant at DYS391.
X3L3H3-5842	Fusion/YFiler was performed on Items 1, 2, and 3. Results were concordant at DYS391.

TABLE 4

WebCode-Test	Additional Comments
XCBAER-5840	Sample 1 was problematic for our laboratory using a direct amp with Promega's Fusion 5C. To troubleshoot this problematic sample we have: 1. Punched (samples) 5 areas of a first set of six individual tests using our standard procedure of a 1.2 mm robotic punch. 2. Re punched another 5 areas of the first set of six tests 3. Requested 6 replacement tests 4. Punched 5 areas of the six replacement tests 5. Double punched sample 1 from multiple tests in an attempt to get a more concentrated sample. 6. Following our SOP we increased to our maximum allowable volume of Promega's 5X amp solution. 7. Punched again and amplified at full reaction volumes in an effort to dilute out any inhibitors. (Note: we are a half volume reaction lab). None of the above troubleshooting steps produced a full profile for sample 1. 8. Had our casework lab EZ1 extract four punches of sample 1 and quant those extracts. Quant values averaged at 0.28 ng/ul and had a degradation index of 1.0. 9. Ran the casework extracted DNA in our database lab with a direct amp of Fusion 5C and did not get a full profile for sample 1. 10. Had our CASEWORK lab amplify sample 1 from EZ1 extracted punches and Chelex extracted punches of sample 1 and DID get full DNA profiles using the GlobalFiler amplification kit. We are not reporting the full profiles for sample 1 in this CTS test that were developed in our casework lab using the GlobalFiler amplification kit as this practice was used for troubleshooting and is outside of our normal database workflow. 11. Additionally our laboratory has been in contact with CTS and Promega about our difficulties developing a full profile from sample 1 in this batch of tests. 12. Our laboratory has also been in contact with other crime laboratories and is aware of multiple other labs that have had a difficult time obtaining a full profile from sample 1. composed on April 16, 2020 by: [Name], [Laboratory]
XK2E99-5840	Y indel is not analyzed by the database laboratory; therefore, no Y indel results are reported.
YPABAM-5840	Automated extraction of Item 1 was attempted twice and a usable profile was not obtained. The laboratory maintains a manual extraction method, but the reporting technician is not competency tested to perform this extraction method.
ZZAZTA-5840	Item 2 (202001930) and Item 3 (202001931) resulted in complete profiles. An incomplete profile was obtained for Item 1 (202001929). Alleles in locus D7S820 were below analysis threshold. [Name] 03/19/20

-End of Report-
(Appendix may follow)

Test No. 20-5840: DNA Database - Saliva

DATA MUST BE SUBMITTED BY **May 4, 2020, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234D   WebCode: DKCZA2

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.

<u>Scenario:</u>
Three known buccal/saliva standards were collected from identified subjects and are provided to your laboratory for analysis for database purposes. You are requested to perform DNA analyses (STR and YSTR) on these known standards and report the allelic results that would be recorded in the database.

Please note, the saliva is deposited on the FTA indicating Micro Cards by dispensing the fluid onto the center of the circle.

<u>Items Submitted (Sample Pack DBF1 - FTA Indicating Micro Card):</u>
Item 1: Known buccal/saliva standard from Individual 1 (Male)
Item 2: Known buccal/saliva standard from Individual 2 (Female)
Item 3: Known buccal/saliva standard from Individual 3 (Male)

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, 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						

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
1									
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
1									
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
1									

Part I (continued): DNA Results for Known Item 2

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

<u>STR Amplification Kit(s) Used:</u>   Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. 16, Plus, Direct, HS, etc.).

☐ Identifiler®   ☐ GlobalFiler™   ☐ Investigator® 24plex

☐ PowerPlex®   Other

Report the Probabilistic Genotyping Software Used (if applicable):

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

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2						
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
2						
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
2						
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
2						
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
2						

<u>YSTR Amplification Kit(s) Used:</u>   Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. Plus, 23, etc.).

☐ YFiler™   ☐ PowerPlex® Y   Other

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

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
2									
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
2									
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
2									

Part I (continued): DNA Results for Known 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, 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									

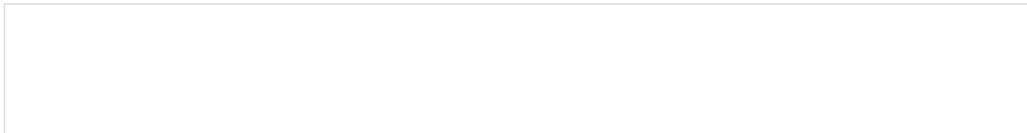# Part I (continued): DNA Analysis - Additional DNA

- 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.
- Click "Add Row" to show another row of boxes for entry.

Locus		Item 1		Item 2		Item 3	

Part II: ADDITIONAL COMMENTS

- Use this section to report comments regarding any part of this DNA Database Saliva Test.
- Written conclusions (including statistical information) for DNA analysis are not required.
- 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)