Collaborative Testing Services, Inc
FORENSIC TESTING PROGRAM

DNA - Blood Test No. 14-583 Summary Report

This proficiency test was sent to 131 participants. Each participant received a sample pack consisting of two known bloodstains and two questioned stains which they were requested to analyze using their existing protocols. Data were returned from 112 participants (85% response rate) and are compiled into the following tables:

Manufacturer's Information

Each sample pack consisted of two known bloodstains on FTA Micro cards (Items 1 & 2), and two questioned stains one on clean, green material (Item 3) and one on clean, grey crosshatch patterned material (Item 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: All stains were prepared from human whole blood which was either drawn into citric acid preservative bloodbank bags or EDTA tubes. Items 1 (75 μl) and 3 (50 μl) were created using blood collected from one male donor and Items 2 (75 μl) and 4 (50 μl) were created using blood collected from one male donor different from the donor used for Items 1 and 3. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on April 15, 2014 following receipt of predistribution results.

SAMPLE SET ASSEMBLY: For each sample set, all four Items (1-4) were placed in a pre-labeled sample pack envelope. The sealed sample pack envelopes were then packaged in pre-labeled Marvel 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 results and associations.

Amelogenin and STR Results

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

Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
1	11,15.3	26,26	14,14	14,16	11,12	10,12
	12,13	13,14	18,19	12,12	12,14	12,14
	13,17	28,32.2	11,15	X,Y	10,11	20,22
	10,13	11,14	*	6,9.3	11,11	17,17
2	15.3,16	18,20	10,14	16,16	10,11	8,12
	8,14	14,15	15,23	10,12	11,12	12,19
	13,13	30.2,31.2	11,11	X,Y	11,12	21,23.2
	11,12	7,7	*	6,6	8,11	17,18
3	11,15.3	26,26	*	14,16	11,12	10,12
	12,13	*	18,19	12,12	12,14	12,14
	13,17	28,32.2	*	X,Y	10,11	20,22
	10,13	11,14	*	6,9.3	11,11	17,17
4	15.3,16	18,20	*	16,16	10,11	8,12
	8,14	*	15,23	10,12	11,12	12,19
	13,13	30.2,31.2	*	X,Y	11,12	21,23.2
	11,12	7,7	*	6,6	8,11	17,18

YSTR Results

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

Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
1	14	11,14	13	29	25	11	11	14
	14	12	11	19	16	17	*	*
	*	*	*	23	*	12	*	
2	14	13,14	12	29	22	10	11	13
	16	10	11	20	15	15	*	*
	*	*	*	22	*	11	*	
3	14	11,14	13	29	25	11	11	14
	14	12	11	19	16	17	*	*
	*	*	*	23	*	12	*	
4	14	13,14	12	29	22	10	11	13
	16	10	11	20	15	15	*	*
	*	*	*	22	*	11	*	

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

Release Date of Manufacturer's Information: 07-July-2014

Summary Comments

The DNA-Blood test is part of the DNA Sample Specific Series; where participants are advised of the body fluid(s) that make up the questioned stains. The test is designed to allow participants to assess their proficiency in the analysis of dried stains where screening has already been completed. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Items 1 and 3 were created using blood collected from one male donor and Items 2 and 4 were created using blood collected from one male donor different from the donor used for Items 1 and 3. (See Manufacturer's Information for preparation details)

Of the 112 responding, 80 participants reported DNA interpretations. All of these participants included the victim (Item 1) as a possible contributor to the Item 3 stain, excluded the victim (Item 1) as a possible contributor to the Item 4 stain and included the suspect (Item 2) as a possible contributor to the Item 4 stain. There were 77 participants that excluded the suspect (Item 2) as a possible contributor to the Item 3 stain and one participant that reported inconclusive.

One participant reported allelic results that were inconsistent with the consensus/predistribution results.

Release Date of Summary Report: 22-July-2014

Amplification Kit(s) & STR Results

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

Item 1

WebCode	Item	Col1	Col2	Col3	Col4	Col5	Col6
2Q9VQB		*Identifiler®*					
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
3NGZYW		*Identifiler® Direct*					
	1		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
4JKX92		*Identifiler®*					
	1	Not Tested	26,26	Not Tested	14,16	11,12	10,12
		12,13	Not Tested	Not Tested	12,12	12,14	12,14
		13,17	28,32.2	Not Tested	X,Y	10,11	20,22
		Not Tested	Not Tested	Not Tested	6,9.3	11,11	17,17
4PLDDF		*Identifiler® Direct*					
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
4VCJFH		*PowerPlex® 16 HS*					
	1				14,16	11,12	10,12
		12,13			12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11	17
4YX9U4		*PowerPlex® HS*					
	1				14,16	11,12	10,12
		12,13			12,12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11,11	17,17
63RLUX		*Identifiler® Plus*					
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
6EPDQ4		*COfiler® and Profiler Plus®*					
	1				14,16	11,12	10,12
		12,13			12,12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
6Z7XGC		*Identifiler®*					
	1		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

Item 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
776Q4D	*PowerPlex® Fusion*						
	1	11,15.3	26	14	14,16	11,12	10,12
		12,13	13,14	18,19	12	12,14	12,14
		13,17	28,32.2	11,15	X,Y	10,11	20,22
		10,13	11,14		6,9.3	11	17
78CRN6	*NGM SElect*						
	1	11,15.3	26,26	14,14	14,16		
		12,13	13,14	18,19		12,14	12,14
		13,17	28,32.2	11,15	X,Y		20,22
				18,29.2	6,9.3		17,17
7GAMDA	*COfiler® and Profiler Plus®*						
	1				14,16	11,12	10,12
		12,13			12,12		12,14
			28,32.2		X,Y		20,22
							17,17
7PJ4YN	*Identifiler® Plus*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
7ZHWBL	*PowerPlex® 16*						
	1				14,16	11,12	10,12
		12,13			12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11	17
83K43D	*Identifiler® Plus*						
	1		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
84D8FK	*Identifiler® Plus*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
8749MT	*Identifiler®*						
	1	N/A	26,26	N/A	14,16	11,12	10,12
		12,13	N/A	N/A	12,12	12,14	12,14
		13,17	28,32.2	N/A	X,Y	10,11	20,22
		N/A	N/A	N/A	6,9.3	11,11	17,17
8EXEGU	*Identifiler®*						
	1	N/A	26,26	N/A	14,16	11,12	10,12
		12,13	N/A	N/A	12,12	12,14	12,14
		13,17	28,32.2	N/A	X,Y	10,11	20,22
		N/A	N/A	N/A	6,9.3	11,11	17,17

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

Item 1

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
8K42D6	*Identifiler® Plus*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
8PGTJW	*Identifiler® Direct*						
	1	N/A	26,26	N/A	14,16	11,12	10,12
		12,13	N/A	N/A	12,12	12,14	12,14
		13,17	28,32.2	N/A	X,Y	10,11	20,22
		N/A	N/A	N/A	6,9.3	11,11	17,17
8RMD8W	*Identifiler® Direct*						
	1	N/A	26,26	N/A	14,16	11,12	10,12
		12,13	N/A	N/A	12,12	12,14	12,14
		13,17	28,32.2	N/A	X,Y	10,11	20,22
		N/A	N/A	N/A	6,9.3	11,11	17,17
8TEAYC	*Identifiler®*						
	1		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
9BRFGL	*Identifiler® Plus*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
9VWXP3	*Identifiler®*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
A3XMQ8	*Identifiler®*						
	1		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
A9ZJQ8	*PowerPlex® Fusion*						
	1	11,15.3	26	14	14,16	11,12	10,12
		12,13	13,14	18,19	12	12,14	12,14
		13,17	28,32.2	11,15	X,Y	10,11	20,22
		10,13	11,14		6,9.3	11	17
AVHLQX	*Identifiler®*						
	1		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

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WebCode	Item						
AW7F7D	*PowerPlex® Fusion*						
	1	11,15.3	26	14	14,16	11,12	10,12
		12,13	13,14	18,19	12	12,14	12,14
		13,17	28,32.2	11,15	X,Y	10,11	20,22
		10,13	11,14		6,9.3	11	17
B84H72	*Identifiler®*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
BABVPN	*Identifiler®*						
	1	N/A	26,26	N/A	14,16	11,12	10,12
		12,13	N/A	N/A	12,12	12,14	12,14
		13,17	28,32.2	N/A	X,Y	10,11	20,22
		N/A	N/A	N/A	6,9.3	11,11	17,17
BBMK39	*PowerPlex® 18D, PowerPlex® CS7 System/ AmpFlSTR NGM SElect Express*						
	1	11,15.3	26,26	14,14	14,16	11,12	10,12
		12,13	13,14	18,19	12,12	12,14	12,14
		13,17	28,32.2	11,15	X,Y	10,11	20,22
		10,13	11,14	18,29.2	6,9.3	11,11	17,17
BDPYEY	*PowerPLex® Fusion, AmpFLSTR NGM-SE*						
	1	11,15.3	26,26	14,14	14,16	11,12	10,12
		12,13	13,14	18,19	12,12	12,14	12,14
		13,17	28,32.2	11,15	X,Y	10,11	20,22
		10,13	11,14	18,29.2	6,9.3	11,11	17,17
BGRE6G	*Identifiler® Plus*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
BZ7QYR	*Identifiler®*						
	1	-	26,26	-	14,16	11,12	10,12
		12,13	-	-	12,12	12,14	12,14
		13,17	28,32.2	-	X,Y	10,11	20,22
		-	-	-	6,9.3	11,11	17,17
C22M72	*Identifiler® Plus*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
C9XLE3	*Identifiler®*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

Item 1

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
CD6AR4	COfiler® and Profiler Plus®						
	1				14,16	11,12	10,12
		12,13			12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
CD7Y79	Identifiler® ID-Plus						
	1	-	26,26	-	14,16	11,12	10,12
		12,13	-	-	12,12	12,14	12,14
		13,17	28,32.2	-	X,Y	10,11	20,22
		-	-	-	6,9.3	11,11	17,17
CFULM3	Identifiler® Plus						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
CK87R3	Identifiler®						
	1		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
CMVQMY	Identifiler® Plus						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
CPHEZK	Identifiler® Direct						
	1		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
CPXLFA	Identifiler® Direct						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
CR9KEP	Identifiler® Plus						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
CUXMMY	Identifiler®						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17

TABLE 1

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA

Item 1

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
DMRDTB	*Identifiler® Plus*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
DQAWD7	*PowerPlex® 18D*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11,11	17,17
EBRBJE	*PowerPlex® 18D*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11,11	17,17
EC6XY8	*Identifiler® Direct*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
ETRCG7	*PowerPlex® 18D*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11,11	17,17
EX9J3K	*Identifiler® Plus*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
EZBGCR	*Identifiler® Direct*						
	1		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
F2HCCA	*PowerPlex® 16*						
	1				14,16	11,12	10,12
		12,13			12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11	17
GMDKZ4	*Identifiler® Plus*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
				Item 1			
GYTA62	*PowerPlex® 18D*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11,11	17,17
H4J4DL	*Identifiler®*						
	1		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
HB4ZM3	*PowerPlex® PowerPlex® 16 HS*						
	1				14,16	11,12	10,12
		12,13			12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11	17
HBE26V	*Identifiler® ,Identifiler Plus*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
J2TZKE	*Identifiler® Plus*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
JFNJWW	*Identifiler® Direct*						
	1	-	26	-	14,16	11,12	10,12
		12,13	-	-	12	12,14	12,14
		13,17	28,32.2	-	X,Y	10,11	20,22
		-	-	-	6,9.3	11	17
JWG6TN	*Identifiler® Plus*						
	1		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
JY3VR8	*Identifiler® Plus*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
KRXEVR	*Identifiler®*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17

TABLE 1

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA

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WebCode	Item	D1/D8/D19/PentaD	D2S1338/D10S1248/D21S11/PentaE	D2S441/D12S391/D22S1045/SE33	D3S1358/D13S317/Amelogenin/TH01	D5S818/D16S539/CSF1PO/TPOX	D7S820/D18S51/FGA/vWA
L9ZKD2	*Identifiler®*						
	1		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
LP3FTD	*Identifiler® Plus*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
LPT9UR	*Identifiler® Plus*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
LTP47Y	*GlobalFiler*						
	1	11,15.3	26,26	14,14	14,16	11,12	10,12
		12,13	13,14	18,19	12,12	12,14	12,14
		13,17	28,32.2	11,15	X,Y	10,11	20,22
				18,29.2	6,9.3	11,11	17,17
M648HP	*Identifiler® Plus*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
M86JTV	*PowerPlex® Fusion*						
	1	11,15.3	26	14	14,16	11,12	10,12
		12,13	13,14	18,19	12	12,14	12,14
		13,17	28,32.2	11,15	X,Y	10,11	20,22
		10,13	11,14		6,9.3	11	17
MQKNLE	*Identifiler® Direct*						
	1	N/A	26,26	N/A	14,16	11,12	10,12
		12,13	N/A	N/A	12,12	12,14	12,14
		13,17	28,32.2	N/A	X,Y	10,11	20,22
		N/A	N/A	N/A	6,9.3	11,11	17,17
MUGDZ2	*Identifiler® Plus*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
MW7E8A	*Identifiler® Direct*						
	1		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17

TABLE 1

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA

Item 1

N4Z47P — Identifiler®

	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
1		26,26		14,16	11,12	10,12
	12,13			12,12	12,14	12,14
	13,17	28,32.2		X,Y	10,11	20,22
				6,9.3	11,11	17,17

NCV4HW — PowerPlex® HS

	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
1				14,16	11,12	10,12
	12,13			12	12,14	12,14
		28,32.2		X,Y	10,11	20,22
	10,13	11,14		6,9.3	11	17

NGLH2C — Identifiler® Plus

	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
1		26,26		14,16	11,12	10,12
	12,13			12,12	12,14	12,14
	13,17	28,32.2		X,Y	10,11	20,22
				6,9.3	11,11	17,17

NRNYT3 — PowerPlex® 16

	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
1				14,16	11,12	10,12
	12,13			12	12,14	12,14
		28,32.2		X,Y	10,11	20,22
	10,13	11,14		6,9.3	11	17

NTE688 — Identifiler® Plus

	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
1		26,26		14,16	11,12	10,12
	12,13			12,12	12,14	12,14
	13,17	28,32.2		X,Y	10,11	20,22
				6,9.3	11,11	17,17

NXUB8N — Identifiler®

	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
1		26,26		14,16	11,12	10,12
	12,13			12,12	12,14	12,14
	13,17	28,32.2		X,Y	10,11	20,22
				6,9.3	11,11	17,17

NXVCTL — Identifiler® Plus, PowerPlex® HS

	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
1		26,26		14,16	11,12	10,12
	12,13			12,12	12,14	12,14
	13,17	28,32.2		X,Y	10,11	20,22
	10,13	11,14		6,9.3	11,11	17,17

NZ2WGL — Identifiler®

	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
1		26,26		14,16	11,12	10,12
	12,13			12,12	12,14	12,14
	13,17	28,32.2		X,Y	10,11	20,22
				6,9.3	11,11	17,17

P9BGGW — Identifiler® Plus

	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
1		26,26		14,16	11,12	10,12
	12,13			12,12	12,14	12,14
	13,17	28,32.2		X,Y	10,11	20,22
				6,9.3	11,11	17,17

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

Item 1

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
PD7BEX	*Identifiler® Plus*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
PPXWKT	*PowerPlex® 18D*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11,11	17,17
PTEGAU	*PowerPlex® PowerPlex® 16 HS*						
	1				14,16	11,12	10,12
		12,13			12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11	17
R9KA9G	*Identifiler® , Identifiler Plus*						
	1		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
RMHEGE	*Identifiler®*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
RPLEBJ	*Identifiler® Direct*						
	1	-	26	-	14,16	11,12	10,12
		12,13	-	-	12	12,14	12,14
		13,17	28,32.2	-	X,Y	10,11	20,22
		-	-	-	6,9.3	11	17
RXV38L	*Identifiler® Plus, NGM-SE*						
	1	11,15.3	26,26	14,14	14,16	11,12	10,12
		12,13	13,14	18,19	12,12	12,14	12,14
		13,17	28,32.2	11,15	X,Y	10,11	20,22
				18,29.2	6,9.3	11,11	17,17
TDU3H7	*Identifiler®*						
	1	Not Tested	26,26	Not Tested	14,16	11,12	10,12
		12,13	Not Tested	Not Tested	12,12	12,14	12,14
		13,17	28,32.2	Not Tested	X,Y	10,11	20,22
		Not Tested	Not Tested	Not Tested	6,9.3	11,11	17,17
TEK9WB	*PowerPlex® 21*						
	1	11,15.3	26,26		14,16	11,12	10,12
		12,13		18,19	12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11,11	17,17

TABLE 1

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
				Item 1			
U76R2G		*Identifiler®*					
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
UFBPNY		*Identifiler® Plus*					
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
UNRYHM		*PowerPlex® PowerPlex®16 HS*					
	1				14,16	11,12	10,12
		12,13			12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11	17
V37QJY		*PowerPlex® 16 HS*					
	1				14,16	11,12	10,12
		12,13			12,12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11,11	17,17
V3HKYY		*COfiler® and Profiler Plus® , PowerPlex® 16 HS*					
	1				14,16	11,12	10,12
		12,13			12,12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11,11	17,17
VD4W76		*Identifiler® Plus*					
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
VFPKKQ		*Identifiler®*					
	1		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
VR3HVL		*Identifiler® Plus*					
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
WN3R6Z		*Identifiler® Plus*					
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17

TABLE 1

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
				Item 1			
WZMRGF		*Identifiler® Plus, PowerPlex® Fusion, NGM SElect*					
	1	11,15.3	26,26	14,14	14,16	11,12	10,12
		12,13	13,14	18,19	12,12	12,14	12,14
		13,17	28,32.2	11,15	X,Y	10,11	20,22
		10,13	11,14	18,29.2	6,9.3	11,11	17,17
X2H8PC		*Identifiler®*					
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
X49BHH		*Identifiler® Plus*					
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
X49LY8		*Identifiler® Plus*					
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
X9KD7Z		*Identifiler® ID-Direct*					
	1		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
XU3N8X		*PowerPlex® HS*					
	1				14,16	11,12	10,12
		12,13			12,12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11,11	17,17
XVFBPC		*Identifiler® Plus*					
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
XXEHYN		*Identifiler®*					
	1		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
Y7UCYQ		*Identifiler® Plus*					
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
		Item 1					
Z4Z6TK	*PowerPlex® 18D*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11,11	17,17
ZK8649	*Identifiler®*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
ZPFMZF	*Identifiler® ,Identifiler Plus*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
ZZ3NGQ	*Identifiler® Plus*						
	1		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17

TABLE 1

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
				Item 2			
2Q9VQB		*Identifiler®*					
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
3NGZYW		*Identifiler® Direct*					
	2		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
4JKX92		*Identifiler®*					
	2	Not Tested	18,20	Not Tested	16,16	10,11	8,12
		8,14	Not Tested	Not Tested	10,12	11,12	12,19
		13,13	30.2,31.2	Not Tested	X,Y	11,12	21,23.2
		Not Tested	Not Tested	Not Tested	6,6	8,11	17,18
4PLDDF		*Identifiler® Direct*					
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
4VCJFH		*PowerPlex® 16 HS*					
	2				16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
		11,12	7		6	8,11	17,18
4YX9U4		*PowerPlex® HS*					
	2				16,16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
		11,12	7,7		6,6	8,11	17,18
63RLUX		*Identifiler® Plus*					
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
6EPDQ4		*COfiler® and Profiler Plus®*					
	2				16,16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
6Z7XGC		*Identifiler®*					
	2		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
				Item 2			
776Q4D		*PowerPlex® Fusion*					
	2	15.3,16	18,20	10,14	16	10,11	8,12
		8,14	14,15	15,23	10,12	11,12	12,19
		13	30.2,31.2	11	X,Y	11,12	21,23.2
		11,12	7		6	8,11	17,18
78CRN6		*NGM SElect*					
	2	15.3,16	18,20	10,14	16,16		
		8,14	14,15	15,23		11,12	12,19
		13,13	30.2,31.2	11,11	X,Y		21,23.2
				14,19	6,6		17,18
7GAMDA		*COfiler® and Profiler Plus®*					
	2				16,16	10,11	8,12
		8,14			10,12		12,19
			30.2,31.2		X,Y		21,23.2
							17,18
7PJ4YN		*Identifiler® Plus*					
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
7ZHWBL		*PowerPlex® 16*					
	2				16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
		11,12	7		6	8,11	17,18
83K43D		*Identifiler® Plus*					
	2		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
84D8FK		*Identifiler® Plus*					
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
8749MT		*Identifiler®*					
	2	N/A	18,20	N/A	16,16	10,11	8,12
		8,14	N/A	N/A	10,12	11,12	12,19
		13,13	30.2,31.2	N/A	X,Y	11,12	21,23.2
		N/A	N/A	N/A	6,6	8,11	17,18
8EXEGU		*Identifiler®*					
	2	N/A	18,20	N/A	16,16	10,11	8,12
		8,14	N/A	N/A	10,12	11,12	12,19
		13,13	30.2,31.2	N/A	X,Y	11,12	21,23.2
		N/A	N/A	N/A	6,6	8,11	17,18

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

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WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
8K42D6	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
8PGTJW	*Identifiler® Direct*						
	2	N/A	18,20	N/A	16,16	10,11	8,12
		8,14	N/A	N/A	10,12	11,12	12,19
		13,13	30.2,31.2	N/A	X,Y	11,12	21,23.2
		N/A	N/A	N/A	6,6	8,11	17,18
8RMD8W	*Identifiler® Direct*						
	2	N/A	18,20	N/A	16,16	10,11	8,12
		8,14	N/A	N/A	10,12	11,12	12,19
		13,13	30.2,31.2	N/A	X,Y	11,12	21,23.2
		N/A	N/A	N/A	6,6	8,11	17,18
8TEAYC	*Identifiler®*						
	2		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
9BRFGL	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
9VWXP3	*Identifiler®*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
A3XMQ8	*Identifiler®*						
	2		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
A9ZJQ8	*PowerPlex® Fusion*						
	2	15.3,16	18,20	10,14	16	10,11	8,12
		8,14	14,15	15,23	10,12	11,12	12,19
		13	30.2,31.2	11	X,Y	11,12	21,23.2
		11,12	7		6	8,11	17,18
AVHLQX	*Identifiler®*						
	2		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

Item 2

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
AW7F7D	*PowerPlex® Fusion*						
	2	15.3,16	18,20	10,14	16	10,11	8,12
		8,14	14,15	15,23	10,12	11,12	12,19
		13	30.2,31.2	11	X,Y	11,12	21,23.2
		11,12	7		6	8,11	17,18
B84H72	*Identifiler®*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
BABVPN	*Identifiler®*						
	2	N/A	18,20	N/A	16,16	10,11	8,12
		8,14	N/A	N/A	10,12	11,12	12,19
		13,13	30.2,31.2	N/A	X,Y	11,12	21,23.2
		N/A	N/A	N/A	6,6	8,11	17,18
BBMK39	*PowerPlex® 18D, PowerPlex® CS7 System/ AmpFlSTR NGM SElect Express*						
	2	15.3,16	18,20	10,14	16,16	10,11	8,12
		8,14	14,15	15,23	10,12	11,12	12,19
		13,13	30.2,31.2	11,11	X,Y	11,12	21,23.2
		11,12	7,7	14,19	6,6	8,11	17,18
BDPYEY	*PowerPLex® Fusion, AmpFLSTR NGM-SE*						
	2	15.3,16	18,20	10,14	16,16	10,11	8,12
		8,14	14,15	15,23	10,12	11,12	12,19
		13,13	30.2,31.2	11,11	X,Y	11,12	21,23.2
		11,12	7,7	14,19	6,6	8,11	17,18
BGRE6G	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
BZ7QYR	*Identifiler®*						
	2	-	18,20	-	16,16	10,11	8,12
		8,14	-	-	10,12	11,12	12,19
		13,13	30.2,31.2	-	X,Y	11,12	21,23.2
		-	-	-	6,6	8,11	17,18
C22M72	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
C9XLE3	*Identifiler®*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

TABLE 1

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA

Item 2

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
CD6AR4	COfiler® and Profiler Plus®						
	2				16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
CD7Y79	Identifiler® ID-Plus						
	2	-	18,20	-	16,16	10,11	8,12
		8,14	-	-	10,12	11,12	12,19
		13,13	30.2,31.2	-	X,Y	11,12	21,23.2
		-	-	-	6,6	8,11	17,18
CFULM3	Identifiler® Plus						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
CK87R3	Identifiler®						
	2		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
CMVQMY	Identifiler® Plus						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
CPHEZK	Identifiler® Direct						
	2		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
CPXLFA	Identifiler® Direct						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
CR9KEP	Identifiler® Plus						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
CUXMMY	Identifiler®						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

Item 2

WebCode	Item						
DMRDTB	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
DQAWD7	*PowerPlex® 18D*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
		11,12	7,7		6,6	8,11	17,18
EBRBJE	*PowerPlex® 18D*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
		11,12	7,7		6,6	8,11	17,18
EC6XY8	*Identifiler® Direct*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
ETRCG7	*PowerPlex® 18D*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
		11,12	7,7		6,6	8,11	17,18
EX9J3K	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
EZBGCR	*Identifiler® Direct*						
	2		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
F2HCCA	*PowerPlex® 16*						
	2				16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
		11,12	7		6	8,11	17,18
GMDKZ4	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18

TABLE 1

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA

Item 2

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
GYTA62	PowerPlex® 18D						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
		11,12	7,7		6,6	8,11	17,18
H4J4DL	Identifiler®						
	2		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
HB4ZM3	PowerPlex® PowerPlex® 16 HS						
	2				16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
		11,12	7		6	8,11	17,18
HBE26V	Identifiler® ,Identifiler Plus						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
J2TZKE	Identifiler® Plus						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
JFNJWW	Identifiler® Direct						
	2	-	18,20	-	16	10,11	8,12
		8,14	-	-	10,12	11,12	12,19
		13	30.2,31.2	-	X,Y	11,12	21,23.2
		-	-	-	6	8,11	17,18
JWG6TN	Identifiler® Plus						
	2		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
JY3VR8	Identifiler® Plus						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
KRXEVR	Identifiler®						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

Item 2

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
L9ZKD2	*Identifiler®*						
	2		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
LP3FTD	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
LPT9UR	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
LTP47Y	*GlobalFiler*						
	2	15.3,16	18,20	10,14	16,16	10,11	8,12
		8,14	14,15	15,23	10,12	11,12	12,19
		13,13	30.2,31.2	11,11	X,Y	11,12	21,23.2
				14,19	6,6	8,11	17,18
M648HP	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
M86JTV	*PowerPlex® Fusion*						
	2	15.3,16	18,20	10,14	16	10,11	8,12
		8,14	14,15	15,23	10,12	11,12	12,19
		13	30.2,31.2	11	X,Y	11,12	21,23.2
		11,12	7		6	8,11	17,18
MQKNLE	*Identifiler® Direct*						
	2	N/A	18,20	N/A	16,16	10,11	8,12
		8,14	N/A	N/A	10,12	11,12	12,19
		13,13	30.2,31.2	N/A	X,Y	11,12	21,23.2
		N/A	N/A	N/A	6,6	8,11	17,18
MUGDZ2	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
MW7E8A	*Identifiler® Direct*						
	2		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18

TABLE 1

Item 2

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
N4Z47P	*Identifiler®*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
NCV4HW	*PowerPlex® HS*						
	2				16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
		11,12	7		6	8,11	17,18
NGLH2C	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
NRNYT3	*PowerPlex® 16*						
	2				16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
		11,12	7		6	8,11	17,18
NTE688	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
NXUB8N	*Identifiler®*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
NXVCTL	*Identifiler® Plus, PowerPlex® HS*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
		11,12	7,7		6,6	8,11	17,18
NZ2WGL	*Identifiler®*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
P9BGGW	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18

TABLE 1

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
PD7BEX	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
PPXWKT	*PowerPlex® 18D*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
		11,12	7,7		6,6	8,11	17,18
PTEGAU	*PowerPlex® PowerPlex® 16 HS*						
	2				16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
		11,12	7		6	8,11	17,18
R9KA9G	*Identifiler® , Identifiler Plus*						
	2		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
RMHEGE	*Identifiler®*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
RPLEBJ	*Identifiler® Direct*						
	2	-	18,20	-	16	10,11	8,12
		8,14	-	-	10,12	11,12	12,19
		13	30.2,31.2	-	X,Y	11,12	21,23.2
		-	-	-	6	8,11	17,18
RXV38L	*Identifiler® Plus, NGM-SE*						
	2	15.3,16	18,20	10,14	16,16	10,11	8,12
		8,14	14,15	15,23	10,12	11,12	12,19
		13,13	30.2,31.2	11,11	X,Y	11,12	21,23.2
				14,19	6,6	8,11	17,18
TDU3H7	*Identifiler®*						
	2	Not Tested	18,20	Not Tested	16,16	10,11	8,12
		8,14	Not Tested	Not Tested	10,12	11,12	12,19
		13,13	30.2,31.2	Not Tested	X,Y	11,12	21,23.2
		Not Tested	Not Tested	Not Tested	6,6	8,11	17,18
TEK9WB	*PowerPlex® 21*						
	2	15.3,16	18,20		16,16	10,11	8,12
		8,14		15,23	10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
		11,12	7,7		6,6	8,11	17,18

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

Item 2

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
U76R2G	*Identifiler®*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
UFBPNY	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
UNRYHM	*PowerPlex® PowerPlex®16 HS*						
	2				16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
		11,12	7		6	8,11	17,18
V37QJY	*PowerPlex® 16 HS*						
	2				16,16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
		11,12	7,7		6,6	8,11	17,18
V3HKYY	*COfiler® and Profiler Plus® , PowerPlex® 16 HS*						
	2				16,16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
		11,12	7,7		6,6	8,11	17,18
VD4W76	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
VFPKKQ	*Identifiler®*						
	2		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
VR3HVL	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
WN3R6Z	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

Item 2

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
WZMRGF		*Identifiler® Plus, PowerPlex® Fusion, NGM SElect*					
	2	15.3,16	18,20	10,14	16,16	10,11	8,12
		8,14	14,15	15,23	10,12	11,12	12,19
		13,13	30.2,31.2	11,11	X,Y	11,12	21,23.2
		11,12	7,7	14,19	6,6	8,11	17,18
X2H8PC		*Identifiler®*					
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
X49BHH		*Identifiler® Plus*					
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
X49LY8		*Identifiler® Plus*					
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
X9KD7Z		*Identifiler® ID-Direct*					
	2		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
XU3N8X		*PowerPlex® HS*					
	2				16,16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
		11,12	7,7		6,6	8,11	17,18
XVFBPC		*Identifiler® Plus*					
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
XXEHYN		*Identifiler®*					
	2		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
Y7UCYQ		*Identifiler® Plus*					
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
				Item 2			
Z4Z6TK	*PowerPlex® 18D*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
		11,12	7,7		6,6	8,11	17,18
ZK8649	*Identifiler®*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
ZPFMZF	*Identifiler® ,Identifiler Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
ZZ3NGQ	*Identifiler® Plus*						
	2		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

Item 3

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
4JKX92	*Identifiler®*						
	3	Not Tested	26,26	Not Tested	14,16	11,12	10,12
		12,13	Not Tested	Not Tested	12,12	12,14	12,14
		13,17	28,32.2	Not Tested	X,Y	10,11	20,22
		Not Tested	Not Tested	Not Tested	6,9.3	11,11	17,17
4PLDDF	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
4VCJFH	*PowerPlex® 16 HS*						
	3				14,16	11,12	10,12
		12,13			12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11	17
63RLUX	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
6EPDQ4	*COfiler® and Profiler Plus®*						
	3				14,16	11,12	10,12
		12,13			12,12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
776Q4D	*PowerPlex® Fusion*						
	3	11,15.3	26	14	14,16	11,12	10,12
		12,13	13,14	18,19	12	12,14	12,14
		13,17	28,32.2	11,15	X,Y	10,11	20,22
		10,13	11,14		6,9.3	11	17
78CRN6	*NGM SElect*						
	3	11,15.3	26,26	14,14	14,16		
		12,13	13,14	18,19		12,14	12,14
		13,17	28,32.2	11,15	X,Y		20,22
				18,29.2	6,9.3		17,17
7GAMDA	*COfiler® and Profiler Plus®*						
	3				14,16	11,12	10,12
		12,13			12,12		12,14
			28,32.2		X,Y		20,22
							17,17
7PJ4YN	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
				Item 3			
83K43D		*Identifiler® Plus*					
	3		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
84D8FK		*Identifiler® Plus*					
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
8749MT		*Identifiler®*					
	3	N/A	26,26	N/A	14,16	11,12	10,12
		12,13	N/A	N/A	12,12	12,14	12,14
		13,17	28,32.2	N/A	X,Y	10,11	20,22
		N/A	N/A	N/A	6,9.3	11,11	17,17
8EXEGU		*Identifiler®*					
	3	N/A	26,26	N/A	14,16	11,12	10,12
		12,13	N/A	N/A	12,12	12,14	12,14
		13,17	28,32.2	N/A	X,Y	10,11	20,22
		N/A	N/A	N/A	6,9.3	11,11	17,17
8K42D6		*Identifiler® Plus*					
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
8PGTJW		*Identifiler®*					
	3	N/A	26,26	N/A	14,16	11,12	10,12
		12,13	N/A	N/A	12,12	12,14	12,14
		13,17	28,32.2	N/A	X,Y	10,11	20,22
		N/A	N/A	N/A	6,9.3	11,11	17,17
8RMD8W		*Identifiler®*					
	3	N/A	26,26	N/A	14,16	11,12	10,12
		12,13	N/A	N/A	12,12	12,14	12,14
		13,17	28,32.2	N/A	X,Y	10,11	20,22
		N/A	N/A	N/A	6,9.3	11,11	17,17
9BRFGL		*Identifiler® Plus*					
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
A9ZJQ8		*PowerPlex® Fusion*					
	3	11,15.3	26	14	14,16	11,12	10,12
		12,13	13,14	18,19	12	12,14	12,14
		13,17	28,32.2	11,15	X,Y	10,11	20,22
		10,13	11,14		6,9.3	11	17

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

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WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
AVHLQX	Identifiler®						
	3		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
B84H72	Identifiler®						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
BABVPN	Identifiler®						
	3	N/A	26,26	N/A	14,16	11,12	10,12
		12,13	N/A	N/A	12,12	12,14	12,14
		13,17	28,32.2	N/A	X,Y	10,11	20,22
		N/A	N/A	N/A	6,9.3	11,11	17,17
BBMK39	PowerPlex® 18D, PowerPlex® CS7 System/ AmpFlSTR NGM SElect Express						
	3	11,15.3	26,26	14,14	14,16	11,12	10,12
		12,13	13,14	18,19	12,12	12,14	12,14
		13,17	28,32.2	11,15	X,Y	10,11	20,22
		10,13	11,14	18,29.2	6,9.3	11,11	17,17
BDPYEY	PowerPlex® Fusion, AmpFlSTR NGM-SE						
	3	11,15.3	26,26	14,14	14,16	11,12	10,12
		12,13	13,14	18,19	12,12	12,14	12,14
		13,17	28,32.2	11,15	X,Y	10,11	20,22
		10,13	11,14	18,29.2	6,9.3	11,11	17,17
BGRE6G	Identifiler® Plus						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
BZ7QYR	Identifiler®						
	3	-	26,26	-	14,16	11,12	10,12
		12,13	-	-	12,12	12,14	12,14
		13,17	28,32.2	-	X,Y	10,11	20,22
		-	-	-	6,9.3	11,11	17,17
C22M72	Identifiler® Plus						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
CD6AR4	COfiler® and Profiler Plus®						
	3				14,16	11,12	10,12
		12,13			12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
					6,9.3	11	17

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

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WebCode	Item	col3	col4	col5	col6	col7	col8
CD7Y79	*Identifiler® ID-Plus*						
	3	-	26,26	-	14,16	11,12	10,12
		12,13	-	-	12,12	12,14	12,14
		13,17	28,32.2	-	X,Y	10,11	20,22
		-	-	-	6,9.3	11,11	17,17
CFULM3	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
CK87R3	*Identifiler®*						
	3		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
CMVQMY	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
CPXLFA	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
CR9KEP	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
CUXMMY	*Identifiler®*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
DMRDTB	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
EC6XY8	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

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WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
EX9J3K	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
EZBGCR	*Identifiler® Plus*						
	3		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
GMDKZ4	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
H4J4DL	*Identifiler®*						
	3		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
HB4ZM3	*PowerPlex® PowerPlex® 16 HS*						
	3				14,16	11,12	10,12
		12,13			12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11	17
HBE26V	*Identifiler® ,Identifiler Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
J2TZKE	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
JFNJWW	*Identifiler® Plus*						
	3	-	26	-	14,16	11,12	10,12
		12,13	-	-	12	12,14	12,14
		13,17	28,32.2	-	X,Y	10,11	20,22
		-	-	-	6,9.3	11	17
JWG6TN	*Identifiler® Plus*						
	3		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

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WebCode	Item	D1/D8/D19/PentaD	D2S1338/D10/D21/PentaE	D2S441/D12/D22/SE33	D3/D13/Amel/TH01	D5/D16/CSF1PO/TPOX	D7/D18/FGA/vWA
JY3VR8	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
KRXEVR	*Identifiler®*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
L9ZKD2	*Identifiler®*						
	3		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
LP3FTD	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
LPT9UR	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
LTP47Y	*GlobalFiler*						
	3	11,15.3	26,26	14,14	14,16	11,12	10,12
		12,13	13,14	18,19	12,12	12,14	12,14
		13,17	28,32.2	11,15	X,Y	10,11	20,22
				18,29.2	6,9.3	11,11	17,17
M648HP	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
M86JTV	*PowerPlex® Fusion*						
	3	11,15.3	26	14	14,16	11,12	10,12
		12,13	13,14	18,19	12	12,14	12,14
		13,17	28,32.2	11,15	X,Y	10,11	20,22
		10,13	11,14		6,9.3	11	17
MQKNLE	*Identifiler®*						
	3	N/A	26,26	N/A	14,16	11,12	10,12
		12,13	N/A	N/A	12,12	12,14	12,14
		13,17	28,32.2	N/A	X,Y	10,11	20,22
		N/A	N/A	N/A	6,9.3	11,11	17,17

TABLE 1

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA

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WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
MUGDZ2	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
NCV4HW	*PowerPlex® HS*						
	3				14,16	11,12	10,12
		12,13			12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11	17
NGLH2C	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
NTE688	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
NXUB8N	*Identifiler®*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
P9BGGW	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
PD7BEX	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
PTEGAU	*PowerPlex® PowerPlex® 16 HS*						
	3				14,16	11,12	10,12
		12,13			12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11	17
RPLEBJ	*Identifiler® Plus*						
	3	-	26	-	14,16	11,12	10,12
		12,13	-	-	12	12,14	12,14
		13,17	28,32.2	-	X,Y	10,11	20,22
		-	-	-	6,9.3	11	17

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

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WebCode	Item	D1/D8/D19/Penta D	D2S1338/D10/D21/Penta E	D2S441/D12/D22/SE33	D3/D13/Amel/TH01	D5/D16/CSF1PO/TPOX	D7/D18/FGA/vWA
RXV38L	*Identifiler® Plus, NGM-SE*						
	3	11,15.3	26,26	14,14	14,16	11,12	10,12
		12,13	13,14	18,19	12,12	12,14	12,14
		13,17	28,32.2	11,15	X,Y	10,11	20,22
				18,29.2	6,9.3	11,11	17,17
TDU3H7	*Identifiler®*						
	3	Not Tested	26,26	Not Tested	14,16	11,12	10,12
		12,13	Not Tested	Not Tested	12,12	12,14	12,14
		13,17	28,32.2	Not Tested	X,Y	10,11	20,22
		Not Tested	Not Tested	Not Tested	6,9.3	11,11	17,17
TEK9WB	*PowerPlex® 21*						
	3	11,15.3	26,26		14,16	11,12	10,12
		12,13		18,19	12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
		10,13	11,14		6,9.3	11,11	17,17
UFBPNY	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
UNRYHM	*COfiler® and Profiler Plus®*						
	3				14,16	11,12	10,12
		12,13			12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
					6,9.3	11	17
V37QJY	*COfiler® and Profiler Plus®*						
	3				14,16	11,12	10,12
		12,13			12,12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
V3HKYY	*COfiler® and Profiler Plus®*						
	3				14,16	11,12	10,12
		12,13			12,12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
VD4W76	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
VFPKKQ	*Identifiler®*						
	3		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

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WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
VR3HVL	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
WN3R6Z	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
WZMRGF	*Identifiler® Plus, PowerPlex® Fusion, NGM SElect*						
	3	11,15.3	26,26	14,14	14,16	11,12	10,12
		12,13	13,14	18,19	12,12	12,14	12,14
		13,17	28,32.2	11,15	X,Y	10,11	20,22
		10,13	11,14	18,29.2	6,9.3	11,11	17,17
X2H8PC	*Identifiler®*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
X49BHH	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
X49LY8	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
XU3N8X	*COfiler® and Profiler Plus®*						
	3				14,16	11,12	10,12
		12,13			12,12	12,14	12,14
			28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
XVFBPC	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
XXEHYN	*Identifiler®*						
	3		26		14,16	11,12	10,12
		12,13			12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11	17

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

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WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
Y7UCYQ	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
ZK8649	*Identifiler®*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
ZPFMZF	*Identifiler® ,Identifiler Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17
ZZ3NGQ	*Identifiler® Plus*						
	3		26,26		14,16	11,12	10,12
		12,13			12,12	12,14	12,14
		13,17	28,32.2		X,Y	10,11	20,22
					6,9.3	11,11	17,17

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

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4JKX92 — Identifiler®

Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
4	Not Tested	18,20	Not Tested	16,16	10,11	8,12
	8,14	Not Tested	Not Tested	10,12	11,12	12,19
	13,13	30.2,31.2	Not Tested	X,Y	11,12	21,23.2
	Not Tested	Not Tested	Not Tested	6,6	8,11	17,18

4PLDDF — Identifiler® Plus

Item	Col1	Col2	Col3	Col4	Col5	Col6
4		18,20		16,16	10,11	8,12
	8,14			10,12	11,12	12,19
	13,13	30.2,31.2		X,Y	11,12	21,23.2
				6,6	8,11	17,18

4VCJFH — PowerPlex® 16 HS

Item	Col1	Col2	Col3	Col4	Col5	Col6
4				16	10,11	8,12
	8,14			10,12	11,12	12,19
		30.2,31.2		X,Y	11,12	21,23.2
	11,12	7		6	8,11	17,18

63RLUX — Identifiler® Plus

Item	Col1	Col2	Col3	Col4	Col5	Col6
4		18,20		16,16	10,11	8,12
	8,14			10,12	11,12	12,19
	13,13	30.2,31.2		X,Y	11,12	21,23.2
				6,6	8,11	17,18

6EPDQ4 — COfiler® and Profiler Plus®

Item	Col1	Col2	Col3	Col4	Col5	Col6
4				16,16	10,11	8,12
	8,14			10,12	11,12	12,19
		30.2,31.2		X,Y	11,12	21,23.2
				6,6	8,11	17,18

776Q4D — PowerPlex® Fusion

Item	Col1	Col2	Col3	Col4	Col5	Col6
4	15.3,16	18,20	10,14	16	10,11	8,12
	8,14	14,15	15,23	10,12	11,12	12,19
	13	30.2,31.2	11	X,Y	11,12	21,23.2
	11,12	7		6	8,11	17,18

78CRN6 — NGM SElect

Item	Col1	Col2	Col3	Col4	Col5	Col6
4	15.3,16	18,20	10,14	16,16		
	8,14	14,15	15,23		11,12	12,19
	13,13	30.2,31.2	11,11	X,Y		21,23.2
			14,19	6,6		17,18

7GAMDA — COfiler® and Profiler Plus®

Item	Col1	Col2	Col3	Col4	Col5	Col6
4				16,16	10,11	8,12
	8,14			10,12		12,19
		30.2,31.2		X,Y		21,23.2
						17,18

7PJ4YN — Identifiler® Plus

Item	Col1	Col2	Col3	Col4	Col5	Col6
4		18,20		16,16	10,11	8,12
	8,14			10,12	11,12	12,19
	13,13	30.2,31.2		X,Y	11,12	21,23.2
				6,6	8,11	17,18

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

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WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
83K43D	*Identifiler® Plus*						
	4		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
84D8FK	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
8749MT	*Identifiler®*						
	4	N/A	18,20	N/A	16,16	10,11	8,12
		8,14	N/A	N/A	10,12	11,12	12,19
		13,13	30.2,31.2	N/A	X,Y	11,12	21,23.2
		N/A	N/A	N/A	6,6	8,11	17,18
8EXEGU	*Identifiler®*						
	4	N/A	18,20	N/A	16,16	10,11	8,12
		8,14	N/A	N/A	10,12	11,12	12,19
		13,13	30.2,31.2	N/A	X,Y	11,12	21,23.2
		N/A	N/A	N/A	6,6	8,11	17,18
8K42D6	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
8PGTJW	*Identifiler®*						
	4	N/A	18,20	N/A	16,16	10,11	8,12
		8,14	N/A	N/A	10,12	11,12	12,19
		13,13	30.2,31.2	N/A	X,Y	11,12	21,23.2
		N/A	N/A	N/A	6,6	8,11	17,18
8RMD8W	*Identifiler®*						
	4	N/A	18,20	N/A	16,16	10,11	8,12
		8,14	N/A	N/A	10,12	11,12	12,19
		13,13	30.2,31.2	N/A	X,Y	11,12	21,23.2
		N/A	N/A	N/A	6,6	8,11	17,18
9BRFGL	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
A9ZJQ8	*PowerPlex® Fusion*						
	4	15.3,16	18,20	10,14	16	10,11	8,12
		8,14	14,15	15,23	10,12	11,12	12,19
		13	30.2,31.2	11	X,Y	11,12	21,23.2
		11,12	7		6	8,11	17,18

TABLE 1

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA

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WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
AVHLQX	*Identifiler®*						
	4		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
B84H72	*Identifiler®*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
BABVPN	*Identifiler®*						
	4	N/A	18,20	N/A	16,16	10,11	8,12
		8,14	N/A	N/A	10,12	11,12	12,19
		13,13	30.2,31.2	N/A	X,Y	11,12	21,23.2
		N/A	N/A	N/A	6,6	8,11	17,18
BBMK39	*PowerPlex® 18D, PowerPlex® CS7 System/ AmpFlSTR NGM SElect Express*						
	4	15.3,16	18,20	10,14	16,16	10,11	8,12
		8,14	14,15	15,23	10,12	11,12	12,19
		13,13	30.2,31.2	11,11	X,Y	11,12	21,23.2
		11,12	7,7	14,19	6,6	8,11	17,18
BDPYEY	*PowerPlex® Fusion, AmpFlSTR NGM-SE*						
	4	15.3,16	18,20	10,14	16,16	10,11	8,12
		8,14	14,15	15,23	10,12	11,12	12,19
		13,13	30.2,31.2	11,11	X,Y	11,12	21,23.2
		11,12	7,7	14,19	6,6	8,11	17,18
BGRE6G	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
BZ7QYR	*Identifiler®*						
	4	-	18,20	-	16,16	10,11	8,12
		8,14	-	-	10,12	11,12	12,19
		13,13	30.2,31.2	-	X,Y	11,12	21,23.2
		-	-	-	6,6	8,11	17,18
C22M72	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
CD6AR4	*COfiler® and Profiler Plus®*						
	4				16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

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WebCode	Item	Col1	Col2	Col3	Col4	Col5	Col6
CD7Y79	*Identifiler® ID-Plus*						
	4	-	18,20	-	16,16	10,11	8,12
		8,14	-	-	10,12	11,12	12,19
		13,13	30.2,31.2	-	X,Y	11,12	21,23.2
		-	-	-	6,6	8,11	17,18
CFULM3	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
CK87R3	*Identifiler®*						
	4		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
CMVQMY	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
CPXLFA	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
CR9KEP	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
CUXMMY	*Identifiler®*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
DMRDTB	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
EC6XY8	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

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WebCode	Item	D1S1656/D8S1179/D19S433/Penta D	D2S1338/D10S1248/D21S11/Penta E	D2S441/D12S391/D22S1045/SE33	D3S1358/D13S317/Amelogenin/TH01	D5S818/D16S539/CSF1PO/TPOX	D7S820/D18S51/FGA/vWA
EX9J3K	Identifiler® Plus						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
EZBGCR	Identifiler® Plus						
	4		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
GMDKZ4	Identifiler® Plus						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
H4J4DL	Identifiler®						
	4		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
HB4ZM3	PowerPlex® PowerPlex® 16 HS						
	4				16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
		11,12	7		6	8,11	17,18
HBE26V	Identifiler® ,Identifiler Plus						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
J2TZKE	Identifiler® Plus						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
JFNJWW	Identifiler® Plus						
	4	-	18,20	-	16	10,11	8,12
		8,14	-	-	10,12	11,12	12,19
		13	30.2,31.2	-	X,Y	11,12	21,23.2
		-	-	-	6	8,11	17,18
JWG6TN	Identifiler® Plus						
	4		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

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WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
JY3VR8	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
KRXEVR	*Identifiler®*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
L9ZKD2	*Identifiler®*						
	4		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
LP3FTD	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
LPT9UR	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
LTP47Y	*Globalfiler*						
	4	15.3,16	18,20	10,14	16,16	10,11	8,12
		8,14	14,15	15,23	10,12	11,12	12,19
		13,13	30.2,31.2	11,11	X,Y	11,12	21,23.2
				14,19	6,6	8,11	17,18
M648HP	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
M86JTV	*PowerPlex® Fusion*						
	4	15.3,16	18,20	10,14	16	10,11	8,12
		8,14	14,15	15,23	10,12	11,12	12,19
		13	30.2,31.2	11	X,Y	11,12	21,23.2
		11,12	7		6	8,11	17,18
MQKNLE	*Identifiler®*						
	4	N/A	18,20	N/A	16,16	10,11	8,12
		8,14	N/A	N/A	10,12	11,12	12,19
		13,13	30.2,31.2	N/A	X,Y	11,12	21,23.2
		N/A	N/A	N/A	6,6	8,11	17,18

TABLE 1

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA

Item 4

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
MUGDZ2	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
NCV4HW	*PowerPlex® HS*						
	4				16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
		11,12	7		6	8,11	17,18
NGLH2C	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
NTE688	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
NXUB8N	*Identifiler®*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
P9BGGW	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
PD7BEX	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
PTEGAU	*PowerPlex® PowerPlex® 16 HS*						
	4				16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
		11,12	7		6	8,11	17,18
RPLEBJ	*Identifiler® Plus*						
	4	-	18,20	-	16	10,11	8,12
		8,14	-	-	10,12	11,12	12,19
		13	30.2,31.2	-	X,Y	11,12	21,23.2
		-	-	-	6	8,11	17,18

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

Item 4

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
RXV38L	*Identifiler® Plus, NGM-SE*						
	4	15.3,16	18,20	10,14	16,16	10,11	8,12
		8,14	14,15	15,23	10,12	11,12	12,19
		13,13	30.2,31.2	11,11	X,Y	11,12	21,23.2
				14,19	6,6	8,11	17,18
TDU3H7	*Identifiler®*						
	4	Not Tested	18,20	Not Tested	16,16	10,11	8,12
		8,14	Not Tested	Not Tested	10,12	11,12	12,19
		13,13	30.2,31.2	Not Tested	X,Y	11,12	21,23.2
		Not Tested	Not Tested	Not Tested	6,6	8,11	17,18
TEK9WB	*PowerPlex® 21*						
	4	15.3,16	18,20		16,16	10,11	8,12
		8,14		15,23	10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
		11,12	7,7		6,6	8,11	17,18
UFBPNY	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
UNRYHM	*COfiler® and Profiler Plus®*						
	4				16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18
V37QJY	*COfiler® and Profiler Plus®*						
	4				16,16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
V3HKYY	*COfiler® and Profiler Plus®*						
	4				16,16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
VD4W76	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
VFPKKQ	*Identifiler®*						
	4		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

Item 4

WebCode	Item	D1S1656 / D8S1179 / D19S433 / Penta D	D2S1338 / D10S1248 / D21S11 / Penta E	D2S441 / D12S391 / D22S1045 / SE33	D3S1358 / D13S317 / Amelogenin / TH01	D5S818 / D16S539 / CSF1PO / TPOX	D7S820 / D18S51 / FGA / vWA
VR3HVL		*Identifiler® Plus*					
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
WN3R6Z		*Identifiler® Plus*					
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
WZMRGF		*Identifiler® Plus, PowerPlex® Fusion, NGM SElect*					
	4	15.3,16	18,20	10,14	16,16	10,11	8,12
		8,14	14,15	15,23	10,12	11,12	12,19
		13,13	30.2,31.2	11,11	X,Y	11,12	21,23.2
		11,12	7,7	14,19	6,6	8,11	17,18
X2H8PC		*Identifiler®*					
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
X49BHH		*Identifiler® Plus*					
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
X49LY8		*Identifiler® Plus*					
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
XU3N8X		*COfiler® and Profiler Plus®*					
	4				16,16	10,11	8,12
		8,14			10,12	11,12	12,19
			30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
XVFBPC		*Identifiler® Plus*					
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
XXEHYN		*Identifiler®*					
	4		18,20		16	10,11	8,12
		8,14			10,12	11,12	12,19
		13	30.2,31.2		X,Y	11,12	21,23.2
					6	8,11	17,18

TABLE 1

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA

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WebCode	Item						
Y7UCYQ	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
ZK8649	*Identifiler®*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
ZPFMZF	*Identifiler® ,Identifiler Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18
ZZ3NGQ	*Identifiler® Plus*						
	4		18,20		16,16	10,11	8,12
		8,14			10,12	11,12	12,19
		13,13	30.2,31.2		X,Y	11,12	21,23.2
					6,6	8,11	17,18

Amplification Kit(s) & YSTR Results

TABLE 2

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 YIndel	DYS393 DYS533
		Item 1							
4JKX92	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	Not Tested	Not Tested
		Not Tested	Not Tested	Not Tested	23	Not Tested	12	Not Tested	
4VCJFH	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
776Q4D	*PowerPlex® Y Y23*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	23	12
		14	18	19	23	10	12		
78CRN6	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
7GAMDA	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
7PJ4YN	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
7ZHWBL	*PowerPlex® Y*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11					
84D8FK	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
8749MT	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
8EXEGU	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	

TABLE 2

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 YIndel	DYS393 DYS533
				Item 1					
8K42D6	*PowerPlex® Y*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11					
8PGTJW	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
8RMD8W	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
9BRFGL	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
B84H72	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
BABVPN	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
BDPYEY	*PowerPlex® Y 23*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	23	12
		14	18	19	23	10	12		
BGRE6G	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
BZ7QYR	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	-	-
		-	-	-	23	-	12	-	
C22M72	*PowerPlex® Y*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11					
CK87R3	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		

TABLE 2

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 YIndel	DYS393 DYS533
Item 1									
CMVQMY	*PowerPlex® Y*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11					
CR9KEP	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
CUXMMY	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
DMRDTB	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
EX9J3K	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
EZBGCR	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
F2HCCA	*PowerPlex® Y*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11					
HB4ZM3	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
J2TZKE	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
JFNJWW	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	-	-
		-	-	-	23	-	12	-	
JY3VR8	*Yfiler®*								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		

TABLE 2

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 YIndel	DYS393 DYS533
					Item 1				
LP3FTD	Yfiler®								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
LPT9UR	Yfiler®								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
M86JTV	PowerPlex® Y 23								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	23	12
		14	18	19	23	10	12		
MQKNLE	Yfiler®								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
MUGDZ2	Yfiler®								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
NCV4HW	Yfiler®								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
NGLH2C	Yfiler®								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
NRNYT3	PowerPlex® Y								
	1	14	11,14	13	29	25	11	11	14
		14	12	11					
NTE688	Yfiler®								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
P9BGGW	Yfiler®								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
PD7BEX	Yfiler®								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		

TABLE 2

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 YIndel	DYS393 DYS533
Item 1									
PTEGAU	Yfiler®								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
RPLEBJ	Yfiler®								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	-	-
		-	-	-	23	-	12	-	
RXV38L	Yfiler®								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
TDU3H7	Yfiler®								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	Not Tested	Not Tested
		Not Tested	Not Tested	Not Tested	23	Not Tested	12	Not Tested	
UFBPNY	Yfiler®								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
V37QJY	PowerPlex® Y								
	1	14	11,14	13	29	25	11	11	14
		14	12	11					
V3HKYY	PowerPlex® Y								
	1	14	11,14	13	29	25	11	11	14
		14	12	11					
VD4W76	Yfiler®								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
WN3R6Z	Yfiler®								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
WZMRGF	Yfiler® Plus, PowerPlex® Y 23								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	23	12
		14	18	19	23	10	12		
X49LY8	Yfiler®								
	1	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		

TABLE 2

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 YIndel	DYS393 DYS533
				Item 1					
XU3N8X	*PowerPlex® Y*								
	1	14 14	11,14 12	13 11	29	25	11	11	14
XVFBPC	*PowerPlex® Y*								
	1	14 14	11,14 12	13 11	29	25	11	11	14
Y7UCYQ	*Yfiler®*								
	1	14 14	11,14 12	13 11	29 19 23	25 16	11 17 12	11	14
ZK8649	*Yfiler®*								
	1	14 14	11,14 12	13 11	29 19 23	25 16	11 17 12	11	14
ZZ3NGQ	*Yfiler®*								
	1	14 14	11,14 12	13 11	29 19 23	25 16	11 17 12	11	14

TABLE 2

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 YIndel	DYS393 DYS533
					Item 2				
4JKX92	*Yfiler®* 2	14 16 Not Tested	13,14 10 Not Tested	12 11 Not Tested	29 20 22	22 15 Not Tested	10 15 11	11 Not Tested Not Tested	13 Not Tested
4VCJFH	*Yfiler®* 2	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
776Q4D	*PowerPlex® Y Y23* 2	14 16 12	13,14 10 17	12 11 17	29 20 22	22 15 13	10 15 11	11 26	13 11
78CRN6	*Yfiler®* 2	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
7GAMDA	*Yfiler®* 2	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
7PJ4YN	*Yfiler®* 2	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
7ZHWBL	*PowerPlex® Y* 2	14 16	13,14 10	12 11	29	22	10	11	13
84D8FK	*Yfiler®* 2	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
8749MT	*Yfiler®* 2	14 16 N/A	13,14 10 N/A	12 11 N/A	29 20 22	22 15 N/A	10 15 11	11 N/A N/A	13 N/A
8EXEGU	*Yfiler®* 2	14 16 N/A	13,14 10 N/A	12 11 N/A	29 20 22	22 15 N/A	10 15 11	11 N/A N/A	13 N/A
8K42D6	*PowerPlex® Y* 2	14 16	13,14 10	12 11	29	22	10	11	13

TABLE 2

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

Item 2

WebCode	Item	DYS19 / DYS437 / DYS549	DYS385 / DYS438 / DYS570	DYS389-I / DYS439 / DYS576	DYS389-II / DYS448 / DYS635	DYS390 / DYS456 / DYS643	DYS391 / DYS458 / Y GATA H4	DYS392 / DYS481 / YIndel	DYS393 / DYS533
8PGTJW	Yfiler® 2	14 / 16 / N/A	13,14 / 10 / N/A	12 / 11 / N/A	29 / 20 / 22	22 / 15 / N/A	10 / 15 / 11	11 / N/A / N/A	13 / N/A
8RMD8W	Yfiler® 2	14 / 16 / N/A	13,14 / 10 / N/A	12 / 11 / N/A	29 / 20 / 22	22 / 15 / N/A	10 / 15 / 11	11 / N/A / N/A	13 / N/A
9BRFGL	Yfiler® 2	14 / 16	13,14 / 10	12 / 11	29 / 20 / 22	22 / 15	10 / 15 / 11	11	13
B84H72	Yfiler® 2	14 / 16	13,14 / 10	12 / 11	29 / 20 / 22	22 / 15	10 / 15 / 11	11	13
BABVPN	Yfiler® 2	14 / 16 / N/A	13,14 / 10 / N/A	12 / 11 / N/A	29 / 20 / 22	22 / 15 / N/A	10 / 15 / 11	11 / N/A / N/A	13 / N/A
BDPYEY	PowerPlex® Y 23 2	14 / 16 / 12	13,14 / 10 / 17	12 / 11 / 17	29 / 20 / 22	22 / 15 / 13	10 / 15 / 11	11 / 26	13 / 11
BGRE6G	Yfiler® 2	14 / 16	13,14 / 10	12 / 11	29 / 20 / 22	22 / 15	10 / 15 / 11	11	13
BZ7QYR	Yfiler® 2	14 / 16 / -	13,14 / 10 / -	12 / 11 / -	29 / 20 / 22	22 / 15 / -	10 / 15 / 11	11 / -	13 / -
C22M72	PowerPlex® Y 2	14 / 16	13,14 / 10	12 / 11	29	22	10	11	13
CK87R3	Yfiler® 2	14 / 16	13,14 / 10	12 / 11	29 / 20 / 22	22 / 15	10 / 15 / 11	11	13
CMVQMY	PowerPlex® Y 2	14 / 16	13,14 / 10	12 / 11	29	22	10	11	13

TABLE 2

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 YIndel	DYS393 DYS533
				Item 2					
CR9KEP	Yfiler® 2	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
CUXMMY	Yfiler® 2	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
DMRDTB	Yfiler® 2	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
EX9J3K	Yfiler® 2	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
EZBGCR	Yfiler® 2	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
F2HCCA	PowerPlex® Y 2	14 16	13,14 10	12 11	29	22	10	11	13
HB4ZM3	Yfiler® 2	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
J2TZKE	Yfiler® 2	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
JFNJWW	Yfiler® 2	14 16 -	13,14 10 -	12 11 -	29 20 22	22 15 -	10 15 11	11 -	13 -
JY3VR8	Yfiler® 2	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
LP3FTD	Yfiler® 2	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13

TABLE 2

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

Item 2

WebCode	Item	DYS19 / DYS437 / DYS549	DYS385 / DYS438 / DYS570	DYS389-I / DYS439 / DYS576	DYS389-II / DYS448 / DYS635	DYS390 / DYS456 / DYS643	DYS391 / DYS458 / Y GATA H4	DYS392 / DYS481 / YIndel	DYS393 / DYS533
LPT9UR	Yfiler®								
	2	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
M86JTV	PowerPlex® Y 23								
	2	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15	26	11
		12	17	17	22	13	11		
MQKNLE	Yfiler®								
	2	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15	N/A	N/A
		N/A	N/A	N/A	22	N/A	11	N/A	
MUGDZ2	Yfiler®								
	2	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
NCV4HW	Yfiler®								
	2	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
NGLH2C	Yfiler®								
	2	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
NRNYT3	PowerPlex® Y								
	2	14	13,14	12	29	22	10	11	13
		16	10	11					
NTE688	Yfiler®								
	2	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
P9BGGW	Yfiler®								
	2	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
PD7BEX	Yfiler®								
	2	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
PTEGAU	Yfiler®								
	2	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		

TABLE 2

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

Item 2

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 YIndel	DYS393 DYS533
RPLEBJ	*Yfiler®* 2	14 16 -	13,14 10 -	12 11 -	29 20 22	22 15 -	10 15 11	11 - -	13 -
RXV38L	*Yfiler®* 2	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
TDU3H7	*Yfiler®* 2	14 16 Not Tested	13,14 10 Not Tested	12 11 Not Tested	29 20 22	22 15 Not Tested	10 15 11	11 Not Tested	13 Not Tested
UFBPNY	*Yfiler®* 2	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
V37QJY	*PowerPlex® Y* 2	14 16	13,14 10	12 11	29	22	10	11	13
V3HKYY	*PowerPlex® Y* 2	14 16	13,14 10	12 11	29	22	10	11	13
VD4W76	*Yfiler®* 2	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
WN3R6Z	*Yfiler®* 2	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
WZMRGF	*Yfiler® Plus, PowerPlex® Y 23* 2	14 16 12	13,14 10 17	12 11 17	29 20 22	22 15 13	10 15 11	11 26	13 11
X49LY8	*Yfiler®* 2	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
XU3N8X	*PowerPlex® Y* 2	14 16	13,14 10	12 11	29	22	10	11	13

TABLE 2

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 YIndel	DYS393 DYS533
					Item 2				
XVFBPC	*PowerPlex® Y*								
	2	14	13,14	12	29	22	10	11	13
		16	10	11					
Y7UCYQ	*Yfiler®*								
	2	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
ZK8649	*Yfiler®*								
	2	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
ZZ3NGQ	*Yfiler®*								
	2	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		

TABLE 2

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 YIndel	DYS393 DYS533
		Item 3							
4JKX92	Yfiler®								
	3	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	Not Tested	Not Tested
		Not Tested	Not Tested	Not Tested	23	Not Tested	12	Not Tested	
4VCJFH	Yfiler®								
	3	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
776Q4D	PowerPlex® Y Y23								
	3	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	23	12
		14	18	19	23	10	12		
78CRN6	Yfiler®								
	3	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
7GAMDA	Yfiler®								
	3	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
7PJ4YN	Yfiler®								
	3	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
84D8FK	Yfiler®								
	3	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17		
					23		12		
8749MT	Yfiler®								
	3	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
8EXEGU	Yfiler®								
	3	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
8K42D6	PowerPlex® Y								
	3	14	11,14	13	29	25	11	11	14
		14	12	11					
8RMD8W	Yfiler®								
	3	14	11,14	13	29	25	11	11	14
		14	12	11	19	16	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	

TABLE 2

WebCode	Item	DYS19 / DYS437 / DYS549	DYS385 / DYS438 / DYS570	DYS389-I / DYS439 / DYS576	DYS389-II / DYS448 / DYS635	DYS390 / DYS456 / DYS643	DYS391 / DYS458 / Y GATA H4	DYS392 / DYS481 / YIndel	DYS393 / DYS533
				Item 3					
9BRFGL	*Yfiler®* 3	14 / 14 /	11,14 / 12 /	13 / 11 /	29 / 19 / 23	25 / 16 /	11 / 17 / 12	11 / /	14 /
B84H72	*Yfiler®* 3	14 / 14 /	11,14 / 12 /	13 / 11 /	29 / 19 / 23	25 / 16 /	11 / 17 / 12	11 / /	14 /
BABVPN	*Yfiler®* 3	14 / 14 / N/A	11,14 / 12 / N/A	13 / 11 / N/A	29 / 19 / 23	25 / 16 / N/A	11 / 17 / 12	11 / N/A / N/A	14 / N/A
BDPYEY	*PowerPlex® Y 23* 3	14 / 14 / 14	11,14 / 12 / 18	13 / 11 / 19	29 / 19 / 23	25 / 16 / 10	11 / 17 / 12	11 / 23 /	14 / 12
BGRE6G	*Yfiler®* 3	14 / 14 /	11,14 / 12 /	13 / 11 /	29 / 19 / 23	25 / 16 /	11 / 17 / 12	11 / /	14 /
BZ7QYR	*Yfiler®* 3	14 / 14 / -	11,14 / 12 / -	13 / 11 / -	29 / 19 / 23	25 / 16 / -	11 / 17 / 12	11 / - /	14 / -
C22M72	*PowerPlex® Y* 3	14 / 14 /	11,14 / 12 /	13 / 11 /	29 / /	25 / /	11 / /	11 / /	14 /
CK87R3	*Yfiler®* 3	14 / 14 /	11,14 / 12 /	13 / 11 /	29 / 19 / 23	25 / 16 /	11 / 17 / 12	11 / /	14 /
CMVQMY	*PowerPlex® Y* 3	14 / 14 /	11,14 / 12 /	13 / 11 /	29 / /	25 / /	11 / /	11 / /	14 /
CR9KEP	*Yfiler®* 3	14 / 14 /	11,14 / 12 /	13 / 11 /	29 / 19 / 23	25 / 16 /	11 / 17 / 12	11 / /	14 /
CUXMMY	*Yfiler®* 3	14 / 14 /	11,14 / 12 /	13 / 11 /	29 / 19 / 23	25 / 16 /	11 / 17 / 12	11 / /	14 /

TABLE 2

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

Item 3

WebCode	Item	DYS19/DYS437/DYS549	DYS385/DYS438/DYS570	DYS389-I/DYS439/DYS576	DYS389-II/DYS448/DYS635	DYS390/DYS456/DYS643	DYS391/DYS458/Y GATA H4	DYS392/DYS481/YIndel	DYS393/DYS533
DMRDTB	Yfiler® 3	14 / 14 /	11,14 / 12 /	13 / 11 /	29 / 19 / 23	25 / 16 /	11 / 17 / 12	11 / /	14 /
EX9J3K	Yfiler® 3	14 / 14 /	11,14 / 12 /	13 / 11 /	29 / 19 / 23	25 / 16 /	11 / 17 / 12	11 / /	14 /
EZBGCR	Yfiler® 3	14 / 14 /	11,14 / 12 /	13 / 11 /	29 / 19 / 23	25 / 16 /	11 / 17 / 12	11 / /	14 /
HB4ZM3	Yfiler® 3	14 / 14 /	11,14 / 12 /	13 / 11 /	29 / 19 / 23	25 / 16 /	11 / 17 / 12	11 / /	14 /
J2TZKE	Yfiler® 3	14 / 14 /	11,14 / 12 /	13 / 11 /	29 / 19 / 23	25 / 16 /	11 / 17 / 12	11 / /	14 /
JFNJWW	Yfiler® 3	14 / 14 / -	11,14 / 12 / -	13 / 11 / -	29 / 19 / 23	25 / 16 / -	11 / 17 / 12	11 / - / -	14 / -
JY3VR8	Yfiler® 3	14 / 14 /	11,14 / 12 /	13 / 11 /	29 / 19 / 23	25 / 16 /	11 / 17 / 12	11 / /	14 /
LP3FTD	Yfiler® 3	14 / 14 /	11,14 / 12 /	13 / 11 /	29 / 19 / 23	25 / 16 /	11 / 17 / 12	11 / /	14 /
LPT9UR	Yfiler® 3	14 / 14 /	11,14 / 12 /	13 / 11 /	29 / 19 / 23	25 / 16 /	11 / 17 / 12	11 / /	14 /
M86JTV	PowerPlex® Y 23 3	14 / 14 / 14	11,14 / 12 / 18	13 / 11 / 19	29 / 19 / 23	25 / 16 / 10	11 / 17 / 12	11 / 23 /	14 / 12
MQKNLE	Yfiler® 3	14 / 14 / N/A	11,14 / 12 / N/A	13 / 11 / N/A	29 / 19 / 23	25 / 16 / N/A	11 / 17 / 12	11 / N/A / N/A	14 / N/A

TABLE 2

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 YIndel	DYS393 DYS533
				Item 3					
MUGDZ2	Yfiler® 3	14 14	11,14 12	13 11	29 19 23	25 16	11 17 12	11	14
NCV4HW	Yfiler® 3	14 14	11,14 12	13 11	29 19 23	25 16	11 17 12	11	14
NGLH2C	Yfiler® 3	14 14	11,14 12	13 11	29 19 23	25 16	11 17 12	11	14
NTE688	Yfiler® 3	14 14	11,14 12	13 11	29 19 23	25 16	11 17 12	11	14
P9BGGW	Yfiler® 3	14 14	11,14 12	13 11	29 19 23	25 16	11 17 12	11	14
PD7BEX	Yfiler® 3	14 14	11,14 12	13 11	29 19 23	25 16	11 17 12	11	14
PTEGAU	Yfiler® 3	14 14	11,14 12	13 11	29 19 23	25 16	11 17 12	11	14
RPLEBJ	Yfiler® 3	14 14 -	11,14 12 -	13 11 -	29 19 23	25 16 -	11 17 12	11 - -	14 -
RXV38L	Yfiler® 3	14 14	11,14 12	13 11	29 19 23	25 16	11 17 12	11	14
TDU3H7	Yfiler® 3	14 14 Not Tested	11,14 12 Not Tested	13 11 Not Tested	29 19 23	25 16 Not Tested	11 17 12	11 Not Tested Not Tested	14 Not Tested
UFBPNY	Yfiler® 3	14 14	11,14 12	13 11	29 19 23	25 16	11 17 12	11	14

TABLE 2

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 YIndel	DYS393 DYS533
				Item 3					
V37QJY	*PowerPlex® Y*								
	3	14 14	11,14 12	13 11	29	25	11	11	14
V3HKYY	*PowerPlex® Y*								
	3	14 14	11,14 12	13 11	29	25	11	11	14
VD4W76	*Yfiler®*								
	3	14 14	11,14 12	13 11	29 19 23	25 16	11 17 12	11	14
WN3R6Z	*Yfiler®*								
	3	14 14	11,14 12	13 11	29 19 23	25 16	11 17 12	11	14
WZMRGF	*Yfiler® Plus, PowerPlex® Y 23*								
	3	14 14 14	11,14 12 18	13 11 19	29 19 23	25 16 10	11 17 12	11 23	14 12
X49LY8	*Yfiler®*								
	3	14 14	11,14 12	13 11	29 19 23	25 16	11 17 12	11	14
XU3N8X	*PowerPlex® Y*								
	3	14 14	11,14 12	13 11	29	25	11	11	14
XVFBPC	*PowerPlex® Y*								
	3	14 14	11,14 12	13 11	29	25	11	11	14
Y7UCYQ	*Yfiler®*								
	3	14 14	11,14 12	13 11	29 19 23	25 16	11 17 12	11	14
ZK8649	*Yfiler®*								
	3	14 14	11,14 12	13 11	29 19 23	25 16	11 17 12	11	14
ZZ3NGQ	*Yfiler®*								
	3	14 14	11,14 12	13 11	29 19 23	25 16	11 17 12	11	14

TABLE 2

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

Item 4

WebCode	Item	DYS19 / DYS437 / DYS549	DYS385 / DYS438 / DYS570	DYS389-I / DYS439 / DYS576	DYS389-II / DYS448 / DYS635	DYS390 / DYS456 / DYS643	DYS391 / DYS458 / Y GATA H4	DYS392 / DYS481 / YIndel	DYS393 / DYS533
4JKX92	Yfiler® 4	14 / 16 / Not Tested	13,14 / 10 / Not Tested	12 / 11 / Not Tested	29 / 20 / 22	22 / 15 / Not Tested	10 / 15 / 11	11 / Not Tested / Not Tested	13 / Not Tested
4VCJFH	Yfiler® 4	14 / 16	13,14 / 10	12 / 11	29 / 20 / 22	22 / 15	10 / 15 / 11	11	13
776Q4D	PowerPlex® Y Y23 4	14 / 16 / 12	13,14 / 10 / 17	12 / 11 / 17	29 / 20 / 22	22 / 15 / 13	10 / 15 / 11	11 / 26	13 / 11
78CRN6	Yfiler® 4	14 / 16	13,14 / 10	12 / 11	29 / 20 / 22	22 / 15	10 / 15 / 11	11	13
7GAMDA	Yfiler® 4	14 / 16	13,14 / 10	12 / 11	29 / 20 / 22	22 / 15	10 / 15 / 11	11	13
7PJ4YN	Yfiler® 4	14 / 16	13,14 / 10	12 / 11	29 / 20 / 22	22 / 15	10 / 15 / 11	11	13
84D8FK	Yfiler® 4	14 / 16	13,14 / 10	12 / 11	29 / 20 / 22	22 / 15	10 / 15 / 11	11	13
8749MT	Yfiler® 4	14 / 16 / N/A	13,14 / 10 / N/A	12 / 11 / N/A	29 / 20 / 22	22 / 15 / N/A	10 / 15 / 11	11 / N/A	13 / N/A
8EXEGU	Yfiler® 4	14 / 16 / N/A	13,14 / 10 / N/A	12 / 11 / N/A	29 / 20 / 22	22 / 15 / N/A	10 / 15 / 11	11 / N/A	13 / N/A
8K42D6	PowerPlex® Y 4	14 / 16	13,14 / 10	12 / 11	29	22	10	11	13
8RMD8W	Yfiler® 4	14 / 16 / N/A	13,14 / 10 / N/A	12 / 11 / N/A	29 / 20 / 22	22 / 15 / N/A	10 / 15 / 11	11 / N/A	13 / N/A

TABLE 2

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 YIndel	DYS393 DYS533
					Item 4				
9BRFGL	Yfiler® 4	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
B84H72	Yfiler® 4	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
BABVPN	Yfiler® 4	14 16 N/A	13,14 10 N/A	12 11 N/A	29 20 22	22 15 N/A	10 15 11	11 N/A N/A	13 N/A
BDPYEY	PowerPlex® Y 23 4	14 16 12	13,14 10 17	12 11 17	29 20 22	22 15 13	10 15 11	11 26	13 11
BGRE6G	Yfiler® 4	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
BZ7QYR	Yfiler® 4	14 16 -	13,14 10 -	12 11 -	29 20 22	22 15 -	10 15 11	11 -	13 -
C22M72	PowerPlex® Y 4	14 16	13,14 10	12 11	29	22	10	11	13
CK87R3	Yfiler® 4	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
CMVQMY	PowerPlex® Y 4	14 16	13,14 10	12 11	29	22	10	11	13
CR9KEP	Yfiler® 4	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
CUXMMY	Yfiler® 4	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13

TABLE 2

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 YIndel	DYS393 DYS533
Item 4								

Item 4

WebCode	Item	DYS19 / DYS437 / DYS549	DYS385 / DYS438 / DYS570	DYS389-I / DYS439 / DYS576	DYS389-II / DYS448 / DYS635	DYS390 / DYS456 / DYS643	DYS391 / DYS458 / Y GATA H4	DYS392 / DYS481 / YIndel	DYS393 / DYS533
DMRDTB	Yfiler® 4	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
EX9J3K	Yfiler® 4	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
EZBGCR	Yfiler® 4	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
HB4ZM3	Yfiler® 4	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
J2TZKE	Yfiler® 4	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
JFNJWW	Yfiler® 4	14 16 -	13,14 10 -	12 11 -	29 20 22	22 15 -	10 15 11	11 - -	13 -
JY3VR8	Yfiler® 4	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
LP3FTD	Yfiler® 4	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
LPT9UR	Yfiler® 4	14 16	13,14 10	12 11	29 20 22	22 15	10 15 11	11	13
M86JTV	PowerPlex® Y 23 4	14 16 12	13,14 10 17	12 11 17	29 20 22	22 15 13	10 15 11	11 26	13 11
MQKNLE	Yfiler® 4	14 16 N/A	13,14 10 N/A	12 11 N/A	29 20 22	22 15 N/A	10 15 11	11 N/A N/A	13 N/A

TABLE 2

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 YIndel	DYS393 DYS533
				Item 4					
MUGDZ2	Yfiler®								
	4	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
NCV4HW	Yfiler®								
	4	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
NGLH2C	Yfiler®								
	4	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
NTE688	Yfiler®								
	4	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
P9BGGW	Yfiler®								
	4	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
PD7BEX	Yfiler®								
	4	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
PTEGAU	Yfiler®								
	4	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
RPLEBJ	Yfiler®								
	4	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15	-	-
		-	-	-	22	-	11	-	
RXV38L	Yfiler®								
	4	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					23		12		
TDU3H7	Yfiler®								
	4	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15	Not Tested	Not Tested
		Not Tested	Not Tested	Not Tested	22	Not Tested	11	Not Tested	
UFBPNY	Yfiler®								
	4	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		

TABLE 2

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 YIndel	DYS393 DYS533
				Item 4					
V37QJY	PowerPlex® Y								
	4	14	13,14	12	29	22	10	11	13
		16	10	11					
V3HKYY	PowerPlex® Y								
	4	14	13,14	12	29	22	10	11	13
		16	10	11					
VD4W76	Yfiler®								
	4	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
WN3R6Z	Yfiler®								
	4	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
WZMRGF	Yfiler® Plus, PowerPlex® Y 23								
	4	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15	26	11
		12	17	17	22	13	11		
X49LY8	Yfiler®								
	4	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
XU3N8X	PowerPlex® Y								
	4	14	13,14	12	29	22	10	11	13
		16	10	11					
XVFBPC	PowerPlex® Y								
	4	14	13,14	12	29	22	10	11	13
		16	10	11					
Y7UCYQ	Yfiler®								
	4	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
ZK8649	Yfiler®								
	4	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		
ZZ3NGQ	Yfiler®								
	4	14	13,14	12	29	22	10	11	13
		16	10	11	20	15	15		
					22		11		

Additional DNA Results

TABLE 3

Locus	WebCode	Item 1	Item 2	Item 3	Item 4
D6S1043	TEK9WB	12,19	12,14	12,19	12,14
DYS387S1	WZMRGF	35,36	38,39	35,36	38,39
DYS391	A9ZJQ8	11	10	11	10
	AW7F7D	11	10		
	LTP47Y	11	10	11	10
DYS449	WZMRGF	30	29	30	29
DYS460	WZMRGF	11	10	11	10
DYS518	WZMRGF	39	40	39	40
DYS627	WZMRGF	23	20	23	20
F13A01	BBMK39	5,7	7,OL	5,7	7,OL
F13B	BBMK39	9,9	6,8	9,9	6,8
FESFPS	BBMK39	11,12	11,11	11,12	11,11
LPL	BBMK39	10,11	10,12	10,11	10,12
PENTA C	BBMK39	11,13	9,9	11,13	9,9
YINDEL	LTP47Y	2	2	2	2

DNA Interpretations

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

TABLE 4

WebCode	Victim (Item 1) Item 3	Item 4	Suspect (Item 2) Item 3	Item 4	WebCode	Victim (Item 1) Item 3	Item 4	Suspect (Item 2) Item 3	Item 4
2Q9VQB	No Interpretations Reported, DNA Analyzed for Database purposes only.				9VWXP3	No Interpretations Reported, DNA Analyzed for Database purposes only.			
3NGZYW	No Interpretations Reported, DNA Analyzed for Database purposes only.				A3XMQ8	No Interpretations Reported, DNA Analyzed for Database purposes only.			
4JKX92	Yes	No	No	Yes	A9ZJQ8	Yes	No	No	Yes
4PLDDF	Yes	No	No	Yes	AVHLQX	Yes	No	No	Yes
4VCJFH	Yes	No	No	Yes	AW7F7D	No Interpretations Reported, DNA Analyzed for Database purposes only.			
4YX9U4	No Interpretations Reported, DNA Analyzed for Database purposes only.				B84H72	Yes			Yes
63RLUX	Yes	No	No	Yes	BABVPN	Yes	No	No	Yes
6EPDQ4	Yes	No	No	Yes	BBMK39	Yes			Yes
6Z7XGC	No Interpretations Reported, DNA Analyzed for Database purposes only.				BDPYEY	Yes	No	No	Yes
776Q4D	Yes	No	No	Yes	BGRE6G	Yes	No	No	Yes
78CRN6	Yes	No	No	Yes	BZ7QYR	Yes	No	No	Yes
7GAMDA	Yes	No	No	Yes	C22M72	Yes	No	No	Yes
7PJ4YN	Yes	No	No	Yes	C9XLE3	No Interpretations Reported, DNA Analyzed for Database purposes only.			
7ZHWBL	No Interpretations Reported, DNA Analyzed for Database purposes only.				CD6AR4	Yes	No	No	Yes
83K43D	Yes	No	No	Yes	CD7Y79	Yes	No	No	Yes
84D8FK	Yes	No	No	Yes	CFULM3	Yes	No	No	Yes
8749MT	Yes	No	No	Yes	CK87R3	Yes	No	No	Yes
8EXEGU	Yes	No	No	Yes	CMVQMY	Yes	No	No	Yes
8K42D6	Yes	No	No	Yes	CPHEZK	No Interpretations Reported, DNA Analyzed for Database purposes only.			
8PGTJW	Yes	No	No	Yes	CPXLFA	Yes	No	No	Yes
8RMD8W	Yes	No	No	Yes	CR9KEP	Yes	No	No	Yes
8TEAYC	No Interpretations Reported, DNA Analyzed for Database purposes only.				CUXMMY	No Interpretations Reported, DNA Analyzed for Database purposes only.			
9BRFGL	Yes	No	No	Yes	DMRDTB	Yes	No	No	Yes

TABLE 4

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
DQAWD7	No Interpretations Reported, DNA Analyzed for Database purposes only.				MW7E8A	No Interpretations Reported, DNA Analyzed for Database purposes only.			
EBRBJE	No Interpretations Reported, DNA Analyzed for Database purposes only.				N4Z47P	No Interpretations Reported, DNA Analyzed for Database purposes only.			
EC6XY8	Yes	No	No	Yes	NCV4HW	Yes	No	No	Yes
ETRCG7	No Interpretations Reported, DNA Analyzed for Database purposes only.				NGLH2C	Yes	No	No	Yes
EX9J3K	Yes	No	No	Yes	NRNYT3	No Interpretations Reported, DNA Analyzed for Database purposes only.			
EZBGCR	Yes	No	No	Yes	NTE688	Yes	No	No	Yes
F2HCCA	No Interpretations Reported, DNA Analyzed for Database purposes only.				NXUB8N	No Interpretations Reported, DNA Analyzed for Database purposes only.			
GMDKZ4	Yes	No	No	Yes	NXVCTL	No Interpretations Reported, DNA Analyzed for Database purposes only.			
GYTA62	No Interpretations Reported, DNA Analyzed for Database purposes only.				NZ2WGL	No Interpretations Reported, DNA Analyzed for Database purposes only.			
H4J4DL	Yes	No	No	Yes	P9BGGW	Yes	No	No	Yes
HB4ZM3	Yes	No	No	Yes	PD7BEX	Yes	No	No	Yes
HBE26V	Yes	No	No	Yes	PPXWKT	No Interpretations Reported, DNA Analyzed for Database purposes only.			
J2TZKE	Yes	No	No	Yes	PTEGAU	Yes	No	No	Yes
JFNJWW	Yes	No	Inc	Yes	R9KA9G	No Interpretations Reported, DNA Analyzed for Database purposes only.			
JWG6TN	Yes	No	No	Yes	RMHEGE	No Interpretations Reported, DNA Analyzed for Database purposes only.			
JY3VR8	Yes	No	No	Yes	RPLEBJ	Yes	No	No	Yes
KRXEVR	No Interpretations Reported, DNA Analyzed for Database purposes only.				RXV38L	Yes	No	No	Yes
L9ZKD2	Yes	No	No	Yes	TDU3H7	Yes	No	No	Yes
LP3FTD	Yes	No	No	Yes	TEK9WB	Yes	No	No	Yes
LPT9UR	Yes	No	No	Yes	U76R2G	No Interpretations Reported, DNA Analyzed for Database purposes only.			
LTP47Y	Yes	No	No	Yes	UFBPNY	Yes	No	No	Yes
M648HP	Yes	No	No	Yes	UNRYHM	Yes	No	No	Yes
M86JTV	Yes	No	No	Yes	V37QJY	Yes	No	No	Yes
MQKNLE	Yes	No	No	Yes	V3HKYY	Yes	No	No	Yes
MUGDZ2	Yes	No	No	Yes	VD4W76	Yes	No	No	Yes

TABLE 4

WebCode	Victim (Item 1) Item 3	Victim (Item 1) Item 4	Suspect (Item 2) Item 3	Suspect (Item 2) Item 4	WebCode	Victim (Item 1) Item 3	Victim (Item 1) Item 4	Suspect (Item 2) Item 3	Suspect (Item 2) Item 4
VFPKKQ	Yes	No	No	Yes					
VR3HVL	Yes	No	No	Yes					
WN3R6Z	Yes	No	No	Yes					
WZMRGF	Yes	No	No	Yes					
X2H8PC	No Interpretations Reported, DNA Analyzed for Database purposes only.								
X49BHH	Yes	No	No	Yes					
X49LY8	Yes	No	No	Yes					
X9KD7Z	No Interpretations Reported, DNA Analyzed for Database purposes only.								
XU3N8X	Yes	No	No	Yes					
XVFBPC	Yes	No	No	Yes					
XXEHYN	Yes	No	No	Yes					
Y7UCYQ	Yes	No	No	Yes					
Z4Z6TK	No Interpretations Reported, DNA Analyzed for Database purposes only.								
ZK8649	No Interpretations Reported, DNA Analyzed for Database purposes only.								
ZPFMZF	Yes	No	No	Yes					
ZZ3NGQ	Yes	No	No	Yes					

Response Summary — Participants reporting DNA results: 112

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

Responses	Victim (Item 1) Item 3	Victim (Item 1) Item 4	Suspect (Item 2) Item 3	Suspect (Item 2) Item 4
Yes	80	0	0	80
No	0	78	77	0
Inc	0	0	1	0

Participants not reporting Interpretation results: 32

Additional Comments

TABLE 5

WebCode	Additional Comments
4YX9U4	Items 1 and 2 extracted w/ iPrep Extraction Chemistry.
8PGTJW	Y exemplars were analyzed for database purposes only.
9VWXP3	Item 2 was extracted w/ iPrep extraction Chemistry. Item 1 was extracted w/ Biosprint Extraction Chemistry.
C9XLE3	14038E, EXP-140506-06
CD7Y79	We are current;y[sic] not using Y STR kits.
CK87R3	1) Extraction was done using chelex method. 2) Amplification was done using ID Direct for Item 1 and 2. 3) Amplification was done using ID Plus for Item 3 and 4. 4) Electrophoresis was carried out in 3130XL Genetic Analyzer.
EZBGCR	1) Chelex extraction method was used to extract DNA from Item 3 and 4. 2) DNA quantitation was carried out using the Quantifiler Human DNA Quantification Kit with Applied Biosystems Real Time Polymerase Chain Reaction (PCR) 7500 System. 3) Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Identifiler Plus and Direct PCR Amplification Kit. 4) Amplification of Y-STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Y-Filer PCR Amplification Kit. 5) Capillary electrophoresis was carried out using the Applied Biosystems 3130xl Genetic Analyzers with GeneMapper ID Software. 6) Reagent blank, positive control and negative control were carried out throughout the analysis.
JFNJWW	1. Item 1 and Item 2 were extracted by in-situ extraction method. 2. Item 3 and Item 4 were extracted using promega DNA IQ on TECAN Freedom Evo 150. 3. Amplification was done using the AMPFISTR Identifiler Direct Kit on Item 1 and Item 2 and AMPFISTR Identifiler aplus[sic] Kit on Item 3 and Item 4. 4. Y-STR was carried out using AMPFISTR Y-Filer Kit on Item 1 to Item 4. 5. Electrophoresis was carried out using 3130xl Genetic Analyzer and 3500xl Genetic Analyzer. 6. Reagent Blank, Positive Control and Negative Control were carried out along with the analysis.
NXVCTL	BioSprint Extraction chemistry, Identifiler Plus amplification, and PowerPlex HS amplification used for items 1 and 2.
NZ2WGL	ChargeSwitch extraction used for items 1 and 2.
R9KA9G	ChargeSwitch extraction
RPLEBJ	1. Item 1 and 2 were extracted by in-situ extraction method. 2. Item 3 and 4 were extracted using Promega DNA IQ on Tecan Freedom Evo 150. 3. Amplification was done using the AmpFISTR Identifiler Direct kit on Item 1 and 2 and AmpFISTR Identifiler Plus kit on Item 3 and 4. 4. Y-STR was carried out using the AmpFISTR Y-Filer kit on Item 1 to 4. 5. Electrophoresis was carried out using 3130xl Genetic Analyzer and 3500xL Genetic Analyzer. 6. Reagent Blank, Positive Control and Negative Control were carried out along with the analysis.
U76R2G	14-583-1 extracted with Biosprint extraction method. 14-583-2 extracted with iPrep extraction method.

Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program   *****

Test No. 14-583: DNA-Blood

DATA MUST BE RECEIVED BY _June 16, 2014_ TO BE INCLUDED IN THE REPORT

Participant Code: WebCode:

Accreditation Release Statement

CTS submits external proficiency test data directly to ASCLD/LAB and ANSI-ASQ NAB/FQS. 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 and/or ANSI-ASQ NAB/FQS. (Accreditation Release section on the last page must be completed and submitted.)

☐ This participant's data is **NOT** intended for submission to ASCLD/LAB or ANSI-ASQ NAB/FQS.

Scenario:

Police are investigating an incident of road rage involving two men. Screening has been done on the samples with the following results: Item 3 (suspect's shirt) and Item 4 (victim's shirt) are positive for blood only. The screening lab is submitting these samples (Items 3 and 4) along with the known blood samples of the victim and the male suspect.

Items Submitted (Sample Pack S3):

Item 1: Known blood from the Victim.

Item 2: Known blood from the Suspect.

Item 3: Questioned blood stain from the suspect's shirt. (green material)

Item 4: Questioned blood stain from the victim's shirt. (grey crosshatch patterned material)

Please note the following Significant Changes to the Data Sheet

Due to the growing use of GlobalFiler™, Powerplex ® Fusion and Powerplex ® Y23, the Data Sheet has been updated to include the loci represented by these new amplification kits. In addition, the data sheet was redesigned to gather all the information for a single item on one page, including capturing the amplification kit used for the analysis for each Item. As always, the paper version of our data sheet displays loci in alpha-numeric order. To re-order the loci to match your amplification kit, please utilize our online data entry at www.CTS-Portal.com.

Online Data Entry

Visit www.cts-portal.com to enter and/or upload your proficiency test results online. If you have any questions please do not hesitate to contact CTS.

Please return all pages of this data sheet.   Page 1 of 8

Part I: DNA ANALYSIS

DNA Analysis Instructions:

Use the instructions below to complete the following DNA Analysis sections of this data sheet.
 * Report alleles in numerical order, separated by a comma.
 * Follow your laboratory procedures for reporting homozygotes (i.e. X,X or X).

Please note Data Sheet Changes

As a reminder, the data sheet has been updated to include loci from the following amplification kits: GlobalFiler™, Powerplex® Fusion and Powerplex® Y23. If a locus is not listed on one of the following four pages of this data sheet, use the "Additional DNA Results" table below to report those results.

Additional DNA Results

Please use the section below to report results only for loci not available on the following pages.

	Item 1	**Item 2**	**Item 3**	**Item 4**
_____				
_____				
_____				
_____				

Please return all pages of this data sheet.   Page 2 of 8

Part I (continued): DNA Results for Known Item 1

STR Amplification Kit(s) Used For Item 1: Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. 16, Plus, Direct, HS, etc.).

☐ COfiler®/Profiler Plus®_____   ☐ PowerPlex® _____

☐ Identifiler® _____   ☐ Other_____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
1						

ITEM	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
1						

ITEM	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
1						

ITEM	Penta D	Penta E	SE33	TH01	TPOX	vWA
1						

YSTR Amplification Kit(s) Used For Item 1: Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. Plus, 23, etc.).

☐ Yfiler® _____   ☐ PowerPlex® Y _____

☐ Other _____

ITEM	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
1								

ITEM	DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
1								

ITEM	DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	Y Indel
1							

Please return all pages of this data sheet.

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

STR Amplification Kit(s) Used For Item 2: Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. 16, Plus, Direct, HS, etc.).

☐ COfiler®/Profiler Plus®_____   ☐ PowerPlex® _____

☐ Identifiler®_____   ☐ Other _____

ITEM 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820

ITEM 2

D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51

ITEM 2

D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA

ITEM 2

Penta D	Penta E	SE33	TH01	TPOX	vWA

YSTR Amplification Kit(s) Used For Item 2 Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. Plus, 23, etc.).

☐ Yfiler®_____   ☐ PowerPlex® Y _____

☐ Other _____

ITEM 2

DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393

ITEM 2

DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533

ITEM 2

DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	Y Indel

Please return all pages of this data sheet.   Page 4 of 8

Part I (continued): DNA Results for Questioned Item 3

STR Amplification Kit(s) Used For Item 3 Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. 16, Plus, Direct, HS, etc.).

☐ COfiler®/Profiler Plus®_____

☐ Identifiler® _____

☐ PowerPlex®_____

☐ Other _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
3						

ITEM	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
3						

ITEM	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
3						

ITEM	Penta D	Penta E	SE33	TH01	TPOX	vWA
3						

YSTR Amplification Kit(s) Used For Item 3: Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. Plus, 23, etc.).

☐ Yfiler® _____

☐ Other _____

☐ PowerPlex® Y _____

ITEM	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3								

ITEM	DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
3								

ITEM	DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	Y Indel
3							

Please return all pages of this data sheet.

Part I (continued): DNA Results for Questioned Item 4

STR Amplification Kit(s) Used For Item 4: Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. 16, Plus, Direct, HS, etc.).

☐ COfiler®/Profiler Plus®_____

☐ PowerPlex® _____

☐ Identifiler® _____

☐ Other _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
4						

ITEM	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
4						

ITEM	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
4						

ITEM	Penta D	Penta E	SE33	TH01	TPOX	vWA
4						

YSTR Amplification Kit(s) Used For Item 4 Please check all the brands that apply for this item and record any kit specific information in the blank provided (i.e. Plus, 23, etc.).

☐ Yfiler®_____

☐ PowerPlex® Y _____

☐ Other _____

ITEM	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4								

ITEM	DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
4								

ITEM	DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	Y Indel
4							

Please return all pages of this data sheet.

Part II: DNA INTERPRETATION

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

	Victim (Item 1)			*Suspect (Item 2)*	
	Item 3	**Item 4**		**Item 3**	**Item 4**
Yes	☐	☐	**Yes**	☐	☐
No	☐	☐	**No**	☐	☐
Inconclusive	☐	☐	**Inconclusive**	☐	☐

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

Part III: ADDITIONAL COMMENTS

Comments regarding any part of this Forensic Biology Test.
Written conclusions (including statistical information) for DNA analysis are not required.
Any interpretations based on the results obtained should be indicated above.
Note: Laboratories submitting their results for ASCLD/LAB 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.

_____

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_____

Return Instructions: Data must be received via online data entry, fax (please include a cover sheet), or mail by *June 16, 2014* to be included in the report.

QUESTIONS?
TEL: +1-571-434-1925 (8 am - 4:30 pm EST)
EMAIL: forensics@cts-interlab.com
www.ctsforensics.com

Participant Code:

ONLINE DATA ENTRY: **www.cts-portal.com**
FAX: +1-571-434-1937
or Toll-Free: 1-866-FAX-2CTS (329-2287)
MAIL: Collaborative Testing Services, Inc.
P.O. Box 650820
Sterling, VA 20165-0820 USA

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Collaborative Testing Services ~ Forensic Testing Program
RELEASE OF DATA TO ACCREDITATION BODIES
The following Accreditation Releases will apply only to:

Participant Code: WebCode:

for Test No. **14-583**: **DNA-Blood**

This release page must be completed and received by _**June 16, 2014**_ to have this participant's submitted data included in the reports forwarded to the respective Accreditation Bodies.

ASCLD/LAB RELEASE

If your lab has been accredited by ASCLD/LAB and you are submitting this data as part of their external proficiency test requirements, have the laboratory's designated individual complete the following.
The information below must be completed in its entirety for the results to be submitted to ASCLD/LAB.

ASCLD/LAB Legacy Certificate No. _____ ASCLD/LAB International Certificate No. _____

Signature _____ Date _____

Laboratory Name _____

Location (City/State) _____

ANSI-ASQ NAB/FQS RELEASE

If your laboratory maintains its accreditation through ANSI-ASQ NAB/FQS, please complete the following form in its entirety to have your results forwarded.

ANSI-ASQ NAB/FQS Certificate No. _____

Signature and Title _____ Date _____

Laboratory Name _____

Location (City/State) _____

Accreditation Release

Return Instructions

Please submit the completed Accreditation Release at the same time as your full data sheet. See Data Sheet Return Instructions on the previous page.

Questions? Contact us 8 am-4:30 pm EST
Telephone: +1-571-434-1925
email: forensics@cts-interlab.com

Please return all pages of this data sheet.