



DNA Mixture Test No. 17-5801

Summary Report

This proficiency test was sent to 196 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 179 participants (91% response rate) and are compiled into the following tables:

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

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

Manufacturer's Information

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

SAMPLE PREPARATION: The stains in Items 1 and 2 were prepared from human whole blood which was either drawn into citric acid preservative blood bags or EDTA tubes. The stains in Items 3 and 4 were mixtures prepared from human whole blood and semen. The semen samples were received frozen from an outside supplier. Each semen sample was first thawed and mixed 1:1 with TAE buffer, then mixed 1:1 with the blood. Item 1 (50 μ l) was prepared using blood collected from a female donor. Item 2 (50 μ l) was prepared using blood collected from a male donor. Item 3 (50 μ l) was a mixture of blood from the Item 1 female donor and semen from a third party male donor whose known blood standard was not provided. Item 4 (50 μ l) was a mixture of blood from the Item 1 female donor and semen from the Item 2 male donor. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on January 03, 2017 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 heat seal envelopes and sealed. This process was repeated until all of the sample sets were prepared.

VERIFICATION: All predistribution laboratories confirmed the manufacturer's expected associations. Consistent allelic results were reported for all STR and YSTR loci with the exception of one inconsistency at the FGA locus in the epithelial fraction of Item 3. No changes were made to the test based on this inconsistency prior to distribution.

Manufacturer's Information, continued

Amelogenin and STR Results						
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>						
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	
1	15,15.3	17,22	13,14	15,17	*	10,12
	*	9,10	14,15	*	13,15	17.3,22
	11,13	8,13	*	14,14	16,16	*
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10	28.2,29.2	6,9	8,8	16,18	
2	14,17.3	19,20	11.3,14	14,16	*	9,12
	*	10,11	10,14	*	14,15	19,22
	10,11	12,12	*	13,19	12,15	*
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14	18,22.2	7,9.3	8,11	15,18	
3-Blood	15,15.3	17,22	13,14	15,17	*	10,12
	*	9,10	14,15	*	13,15	17.3,22
	11,13	8,13	*	14,14	16,16	*
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10	28.2,29.2	6,9	8,8	16,18	
3-Semen	15,15	21,25	11,15	15,18	*	10,12
	*	9,10	13,15	*	13,14	17,20
	12,14	11,11	*	11,14	14,15	*
	29,30	11,16	X,Y	10,13	21,21	8,9
	7,18	14,16	7,9.3	8,11	15,16	
4-Blood	15,15.3	17,22	13,14	15,17	*	10,12
	*	9,10	14,15	*	13,15	17.3,22
	11,13	8,13	*	14,14	16,16	*
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10	28.2,29.2	6,9	8,8	16,18	
4-Semen	14,17.3	19,20	11.3,14	14,16	*	9,12
	*	10,11	10,14	*	14,15	19,22
	10,11	12,12	*	13,19	12,15	*
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14	18,22.2	7,9.3	8,11	15,18	

YSTR Results											
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>											
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel
2	35,35	14	11,14	13	31	25	11	13	13	14	
	12	12	19	27	16	15	11	23	*	36	
	*	12	12	17,18	16	*	23	23	10	12	2
3-Semen	35,36	14	11,15	14	30	25	11	13	13	14	
	12	13	18	32	16	17	12	22	*	39	
	*	12	12	18	19	*	21	23	10	11	2
4-Semen	35,35	14	11,14	13	31	25	11	13	13	14	
	12	12	19	27	16	15	11	23	*	36	
	*	12	12	17,18	16	*	23	23	10	12	2

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

Summary Comments

The DNA-Mixture 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 containing potential mixtures. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Item 1 was blood collected from a female donor, and Item 2 was blood collected from a male donor. Item 3 was a mixture containing blood from the Item 1 female donor and semen from a third party male donor whose known blood standard was not provided. Item 4 was a mixture containing blood from the Item 1 female donor and semen from the Item 2 male donor. (See Manufacturer's Information for preparation details)

All 179 responding participants reported DNA interpretations. There were 176 participants that included the victim (Item 1) as a possible contributor to the Item 3 mixture and three which reported inconclusive. All participants excluded the suspect (Item 2) as a possible contributor to the Item 3 mixture. There were 178 participants that included the victim (Item 1) as a possible contributor to the Item 4 mixture and one that excluded the victim. All participants included the suspect (Item 2) as a possible contributor to the Item 4 mixture.

Twenty four participants reported allelic results that differed from the consensus/predistribution results. Of these, nine were missing alleles at one or more loci, and twelve reported additional alleles at one or more loci which includes one participant that also missed reporting one allele at the TH01 locus. Of these twelve participants, six reported using probabilistic genotyping. A number of these participants stated that probabilistic genotyping could result in true stutter peaks being reported as possible alleles. Finally, three participants reported inconsistent alleles at one or more loci.

STR Amplification Kit(s) & Results

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656 D6S1043	D2S1338 D7S820	D2S441 D8S1179	D3S1358 D9S1122	D4S2408 D10S1248	D5S818 D12S391
	D13S317 D21S11	D16S539 D22S1045	D17S1301 Amelogenin	D18S51 CSF1PO	D19S433 FGA	D20S482 Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

26DB8D	Identifiler® Plus		17,22		15,17		10,12	
		1	9,10	14,15				
			11,13	8,13		14,14	16,16	
			29,30		X,X	10,12	20,22	
					6,9	8,8	16,18	
27MJB6	PowerPlex® 16				15,17		10,12	
		1	9,10	14,15				
			11,13	8,13		14		
			29,30		X,X	10,12	20,22	13
			10		6,9	8	16,18	
2B3XWQ	GlobalFiler™		15,15.3	17,22	13,14	15,17		10,12
		1	9,10	14,15		13,15	17.3,22	
			11,13	8,13		14	16	
			29,30	14,15	X,X	10,12	20,22	
				28.2,29.2	6,9	8	16,18	
2DB77B	Identifiler® Plus		17,22		15,17		10,12	
		1	9,10	14,15				
			11,13	8,13		14,14	16,16	
			29,30		X,X	10,12	20,22	
					6,9	8,8	16,18	
2G72MP	GlobalFiler™		15,15.3	17,22	13,14	15,17		10,12
		1	9,10	14,15		13,15	17.3,22	
			11,13	8,13		14	16	
			29,30	14,15	X	10,12	20,22	
				28.2,29.2	6,9	8	16,18	
2NQ333	Identifiler® Plus, PowerPlex® Fusion		15,15.3	17,22	13,14	15,17		10,12
		1	9,10	14,15		13,15	17.3,22	
			11,13	8,13		14,14	16,16	
			29,30	14,15	X,X	10,12	20,22	13,13
			10,10		6,9	8,8	16,18	
2QVL9B	Identifiler® Plus		17,22		15,17		10,12	
		1	9,10	14,15				
			11,13	8,13		14,14	16,16	
			29,30		X,X	10,12	20,22	
					6,9	8,8	16,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

3DN26N	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
	1	9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X,X	10,12	20,22	
	28.2,29.2	6,9	8	16,18		
3GHYRU	Identifiler® Plus					
		17,22		15,17		10,12
	1	9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
		6,9	8,8	16,18		
3N384X	PowerPlex® 21					
	15,15.3	17,22		15,17		10,12
	1	12,13	9,10	14,15		17.3,22
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
3XNDUA	Identifiler® Plus					
		17,22		15,17		10,12
	1	9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
		6,9	8,8	16,18		
47GV3Q	PowerPlex® 16					
				15,17		10,12
	1	9,10	14,15			
	11,13	8,13		14		
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	
4EWW77	PowerPlex® 16					
				15,17		10,12
	1	9,10	14,15			
	11,13	8,13		14		
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	
4LC8J8	PowerPlex® 16					
				15,17		10,12
	1	9,10	14,15			
	11,13	8,13		14		
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

4X6ZK3	Identifiler® Plus, PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
4ZC784	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X,X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
696NEK	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
6FM6XM	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
6KTTKW	ESI17					
	15,15.3	17,22	13,14	15,17		
1			14,15		13,15	17.3,22
		8,13		14,14	16,16	
	29,30	14,15	X,X		20,22	
		28.2,29.2	6,9		16,18	
6L8FX6	PowerPlex® Fusion, AmpFLSTR NGM					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	13
	10		6,9	8	16,18	
6RAJN3	PowerPlex® 21					
	15,15.3	17,22		15,17		10,12
1	12,13	9,10	14,15			17.3,22
	11,13	8,13		14	16	
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

76DA2U	Identifiler® Plus	-	17,22	-	15,17	-	10,12
1		-	9,10	14,15	-	-	-
		11,13	8,13	-	14	16	-
		29,30	-	XX	10,12	20,22	-
		-	-	6,9	8	16,18	
7ELLHY	GlobalFiler™	15,15.3	17,22	13,14	15,17		10,12
1			9,10	14,15		13,15	17.3,22
		11,13	8,13		14	16	
		29,30	14,15	X	10,12	20,22	
			28.2,29.2	6,9	8	16,18	
7FXFZJ	GlobalFiler™	15,15.3	17,22	13,14	15,17		10,12
1			9,10	14,15		13,15	17.3,22
		11,13	8,13		14	16	
		29,30	14,15	X	10,12	20,22	
			28.2,29.2	6,9	8	16,18	
7G9DD2	GlobalFiler™	15,15.3	17,22	13,14	15,17		10,12
1			9,10	14,15		13,15	17.3,22
		11,13	8,13		14,14	16,16	
		29,30	14,15	XX	10,12	20,22	
			28.2,29.2	6,9	8,8	16,18	
7LL4VP	PowerPlex® Fusion	15,15.3	17,22	13,14	15,17		10,12
1			9,10	14,15		13,15	17.3,22
		11,13	8,13		14	16	
		29,30	14,15	X	10,12	20,22	13
		10		6,9	8	16,18	
7NRJ72	Identifiler® Plus, PowerPlex® 21	15,15.3	17,22		15,17		10,12
1		12,13	9,10	14,15			17.3,22
		11,13	8,13		14,14	16,16	
		29,30		XX	10,12	20,22	13,13
		10,10		6,9	8,8	16,18	
7UED4Y	Identifiler® Plus, PowerPlex® Fusion	15,15.3	17,22	13,14	15,17		10,12
1			9,10	14,15		13,15	17.3,22
		11,13	8,13		14,14	16,16	
		29,30	14,15	XX	10,12	20,22	13,13
		10,10		6,9	8,8	16,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

7Z7JYP	PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
1	9,10 14,15 13,15 17.3,22					
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	13
	10		6,9	8	16,18	
833NTK	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1	9,10 14,15 13,15 17.3,22					
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
8QBTYZ	PowerPlex® 16					
				15,17		10,12
1	9,10 14,15					
	11,13	8,13		14		
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	
8QYECQ	PowerPlex® 21					
	15,15.3	17,22		15,17		10,12
1	12,13 9,10 14,15 17.3,22					
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
8TAGWB	PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
1	9,10 14,15 13,15 17.3,22					
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
8WD826	Identifiler® Plus					
		17,22		15,17		10,12
1	9,10 14,15					
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	
969PBX	PowerPlex® 16					
				15,17		10,12
1	9,10 14,15					
	11,13	8,13		14		
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

9BCD7J	PowerPlex® 16, GlobalFiler™					
		15,15.3	17,22	13,14	15,17	10,12
	1		9,10	14,15		13,15
		11,13	8,13		14	16
		29,30	14,15	XX	10,12	20,22
		10	28.2,29.2	6,9	8	16,18
9GJ2JK	GlobalFiler™					
		15,15.3	17,22	13,14	15,17	10,12
	1		9,10	14,15		13,15
		11,13	8,13		14	16
		29,30	14,15	XX	10,12	20,22
			28.2,29.2	6,9	8	16,18
9M8Q4V	PowerPlex® Fusion 5C					
		15,15.3	17,22	13,14	15,17	10,12
	1		9,10	14,15		13,15
		11,13	8,13		14	16
		29,30	14,15	X	10,12	20,22
		10		6,9	8	16,18
9UN3GV	PowerPlex® ESI 17 PRO					
		15,15.3	17,22	13,14	15,17	
	1			14,15		13,15
			8,13		14,14	16,16
		29,30	14,15	XX		20,22
			28.2,29.2	6,9		16,18
ABRWNV	GlobalFiler™ Express					
		15,15.3	17,22	13,14	15,17	10,12
	1		9,10	14,15		13,15
		11,13	8,13		14	16
		29,30	14,15	X	10,12	20,22
			28.2,29.2	6,9	8	16,18
ACBQGJ	GlobalFiler™					
		15,15.3	17,22	13,14	15,17	10,12
	1		9,10	14,15		13,15
		11,13	8,13		14	16
		29,30	14,15	X	10,12	20,22
			28.2,29.2	6,9	8	16,18
AGHJ32	Identifiler® Plus					
			17,22		15,17	10,12
	1		9,10	14,15		
		11,13	8,13		14,14	16,16
		29,30		XX	10,12	20,22
				6,9	8,8	16,18

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

AQ3X3X	Identifiler® Plus					
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	
B89JZD	PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
BMN9NF	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
BP8MRF	GlobalFiler™ , MiniFiler					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
BT9HNC	PowerPlex® Fusion 5C					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
BUKAKZ	PowerPlex® 16					
				15,17		10,12
1		9,10	14,15			
	11,13	8,13		14		
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	
C2YHGV						
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

C8ZWZB	PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
	1	9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
CAQZUH	Identifiler® Plus					
		17,22		15,17		10,12
	1	9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
		6,9	8,8	16,18		
CDAXJU	Identifiler® Plus, PowerPlex® FUSION					
	15,15.3	17,22	13,14	15,17		10,12
	1	9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
CLJLXR	Identifiler® Plus, PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
	1	9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
CLM644	PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
	1	9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
CMW3GL	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
	1	9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	
	28.2,29.2	6,9	8,8	16,18		
CYABWX	NGM					
	15,15.3	17,22	13,14	15,17		
	1		14,15		13,15	17.3,22
		8,13		14,14	16,16	
	29,30	14,15	X,X		20,22	
		6,9		16,18		

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

D6RYBZ	PowerPlex® Fusion 5C					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
DA7GNB	PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
DAMXGJ	Identifiler® Plus					
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	
DEYJUW	Identifiler®					
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14	16	
	29,30		X	10,12	20,22	
			6,9	8	16,18	
DGMDBX	PowerPlex® 16					
				15,17		10,12
1		9,10	14,15			
	11,13	8,13		14		
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	
DMUNLC	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
DTKYXV	Identifiler® Plus					
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14	16	
	29,30		X,X	10,12	20,22	
			6,9	8	16,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

DXRL9C	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
	1	9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
DZJKKP	GlobalFiler™ Express					
	15,15.3	17,22	13,14	15,17		10,12
	1	9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
ECAWCT	Identifiler® Plus					
		17,22		15,17		10,12
	1	9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	
ECRkW9	Identifiler® Plus					
		17,22		15,17		10,12
	1	9,10	14,15			
	11,13	8,13		14	16	
	29,30		X	10,12	20,22	
			6,9	8	16,18	
EG7AKC	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
	1	9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
F48879	Identifiler® Plus					
		17,22		15,17		10,12
	1	9,10	14,15			
	11,13	8,13		14	16	
	29,30		X	10,12	20,22	
			6,9	8	16,18	
F7XBYF	PowerPlex®					
	15,15.3	17,22	13,14	15,17		10,12
	1	9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
			6,9	8,8	16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

FDLQWY	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
FHC6EE	PowerPlex® ESI Fast 16					
	15,15.3	17,22	13,14	15,17		10,12
1			14,15		13,15	17.3,22
		8,13		14,14	16,16	
	29,30	14,15	X,X		20,22	
			6,9		16,18	
FX6TRY	PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
G3EL4A	GlobalFiler™, MiniFiler					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
G4NHK8	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
GJEK2B	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
GKWCCG	PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	13
	10		6,9	8	16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

GNWKJC	PowerPlex® 16					
				15,17		10,12
1		9,10	14,15			
	11,13	8,13		14		
	29,30		XX	10,12	20,22	13
	10		6,9	8	16,18	
GP6ZPH	ESI-DNA-17					
	15,15.3	17,22	13,14	15,17		
1			14,15		13,15	17.3,22
		8,13		14,14	16,16	
	29,30	14,15	XX		20,22	
		28.2,29.2	6,9		16,18	
GVUEEP	PowerPlex® FUSION					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	13
	10		6,9	8	16,18	
H2HAYU	Identifiler® Plus					
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		XX	10,12	20,22	
			6,9	8,8	16,18	
H3A9DR	PowerPlex® 16					
				15,17		10,12
1		9,10	14,15			
	11,13	8,13		14		
	29,30		XX	10,12	20,22	13
	10		6,9	8	16,18	
H78YDC	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	XX	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
HE3YR6	PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	XX	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

HEHBCV	Identifiler® Plus					
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	
HKPMMA	NGM SElect					
	15,15.3	17,22	13,14	15,17		
1			14,15		13,15	17.3,22
		8,13		14,14	16,16	
	29,30	14,15	X,X		20,22	
		28.2,29.2	6,9		16,18	
HQZQNA	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
HTP3GN	PowerPlex® 16					
				15,17		10,12
1		9,10	14,15			
	11,13	8,13		14		
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	
HXFG2P	Identifiler® Plus					
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	
HYPNZB	PowerPlex® 16, GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X,X	10,12	20,22	13
	10	28.2,29.2	6,9	8	16,18	
JLEFMZ	Identifiler®					
	-	17,22	-	15,17	-	10,12
1	-	9,10	14,15	-	-	-
	11,13	8,13	-	14,14	16,16	-
	29,30	-	X,X	10,12	20,22	-
	-	-	6,9	8,8	16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

JZ93TR	Identifiler® Plus					
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	
JZZTBE	PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	13
	10		6,9	8	16,18	
K7MQLM	PowerPlex® 16					
				15,17		10,12
1		9,10	14,15			
	11,13	8,13		14		
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	
KCTNUR	Identifiler® Plus					
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	
KMT28L	Identifiler® Plus, PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
KX4TAL	Identifiler® Plus, PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17	NT	10,12
1	NT	9,10	14,15	NT	13,15	17.3,22
	11,13	8,13	NT	14	16	NT
	29,30	14,15	X	10,12	20,22	13
	10	NT	6,9	8	16,18	
LA4HAV	Identifiler® Plus, PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

LD2YMP	PowerPlex® 16					
				15,17		10,12
1		9,10	14,15			
	11,13	8,13		14		
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	
LEVQCF	Identifiler® Plus					
	-	17,22	-	15,17	-	10,12
1	-	9,10	14,15	-	-	-
	11,13	8,13	-	14	16	-
	29,30	-	X,X	10,12	20,22	-
	-	-	6,9	8	16,18	
LMRJTM	PowerPlex® 16					
				15,17		10,12
1		9,10	14,15			
	11,13	8,13		14		
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	
LPVCML	PowerPlex® 16					
				15,17		10,12
1		9,10	14,15			
	11,13	8,13		14		
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	
LULTTK	Identifiler® Plus, PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
M47KRG	GlobalFiler™ Express					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
M6XJVV	PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

MC3GG6	Identifiler® Plus	17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	
MPA9JD	DNA1715	17,22	13,14	15,17		
1			14,15		13,15	17.3,22
		8,13		14,14	16,16	
	29,30	14,15	X,X		20,22	
		28.2,29.2	6,9		16,18	
NCDGCE	GlobalFiler™ Express	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
NKQNVN	Identifiler®	17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	
NKU3BA	GlobalFiler™	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	
		28.2,29.2	6,9	8,8	16,18	
P8T9RL	Identifiler® Plus	17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	
PG3F3E	GlobalFiler™ Express	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

PG9NEM	Identifiler® Plus					
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	
PTHGPZ	GlobalFiler™, MiniFiler					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
PVL4CC	Identifiler® Plus					
	-	17,22	-	15,17	-	10,12
1		9,10	14,15	-	-	-
	11,13	8,13	-	14	16	-
	29,30	-	X,X	10,12	20,22	-
	-	-	6,9	8	16,18	
Q8CCB7	Identifiler® Plus					
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	
QFQW3H	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
QVJNNJ	PowerPlex® 16					
				15,17		10,12
1		9,10	14,15			
	11,13	8,13		14		
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	
QWDGCA	Identifiler® Plus					
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

QYK2ZB	Identifiler® Plus	17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	
R26698	PowerPlex® ESI 17 FAST	17,22	13,14	15,17		
1			14,15		13,15	17.3,22
		8,13		14,14	16,16	
	29,30	14,15	X,X		20,22	
		28.2,29.2	6,9		16,18	
R62URZ	PowerPlex® PP16, GlobalFiler™	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X,X	10,12	20,22	13
	10	28.2,29.2	6,9	8	16,18	
R9N9KG	Identifiler® Plus	17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14	16	
	29,30		X,X	10,12	20,22	
			6,9	8	16,18	
RLAQ9E	Identifiler® Plus, PowerPlex® Fusion	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
RN3EVF	PowerPlex® Fusion 6C	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	13
	10	28.2,29.2	6,9	8	16,18	
RYYK8	PowerPlex® Fusion	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	13
	10		6,9	8	16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

T8NRH4	PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	13
	10		6,9	8	16,18	
TCHP8U	PowerPlex® Fusion 5C					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
TFG3QD	Identifiler®, PowerPlex®					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
TFZPPV	PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
TKEHLF	PowerPlex® 16					
				15,17		10,12
1		9,10	14,15			
	11,13	8,13		14		
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	
TM6G77	Identifiler® Plus					
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	
TMVPQJ	Identifiler® Plus					
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

U3TA7X	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
U62DUU	PowerPlex® Fusion 5C					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
UDW79F	PowerPlex® 16					
				15,17		10,12
1		9,10	14,15			
	11,13	8,13		14		
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	
UH6ULG	PowerPlex® 16					
				15,17		10,12
1		9,10	14,15			
	11,13	8,13		14		
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	
UPTBJZ	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	
		28.2,29.2	6,9	8,8	16,18	
UTKQH8	Identifiler® Plus					
	-	17,22	-	15,17	-	10,12
1		9,10	14,15	-	-	-
	11,13	8,13	-	14	16	-
	29,30	-	X,X	10,12	20,22	-
	-	-	6,9	8	16,18	
UVAX36	PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	13
	10		6,9	8	16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

UWPAPF	PowerPlex® 16					
1				15,17		10,12
		9,10	14,15			
	11,13	8,13		14		
	29,30		XX	10,12	20,22	13
	10		6,9	8	16,18	
VA37Y9	Identifiler® Plus, PowerPlex® Fusion					
1				15,17		10,12
		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	XX	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
VAMQ72	Identifiler® Plus					
1		17,22		15,17		10,12
		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		XX	10,12	20,22	
			6,9	8,8	16,18	
VCRDNC	GlobalFiler™ Express					
1				15,17		10,12
		17,22	13,14			
	15,15.3			15,17		10,12
		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	XX	10,12	20,22	
		28.2,29.2	6,9	8,8	16,18	
VHJMT4	PowerPlex® ES116, In-house					
1				15,17		
		17,22	13,14			
	15,15.3			15,17		
			14,15		13,15	17.3,22
		8,13		14	16	
	29,30	14,15	X		20,22	
			6,9		16,18	
VP2URW	GlobalFiler™					
1				15,17		10,12
		17,22	13,14			
	15,15.3			15,17		10,12
		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	XX	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
VRTXBV	GlobalFiler™					
1				15,17		10,12
		17,22	13,14			
	15,15.3			15,17		10,12
		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

W2RZ8C	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
	1	9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	
		28.2,29.2	6,9	8,8	16,18	
WC9UEY	PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
	1	9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	13
	10		6,9	8	16,18	
WEE84D	PowerPlex® 16					
				15,17		10,12
	1	9,10	14,15			
	11,13	8,13		14		
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	
WKJBLY	Identifiler® Plus					
		17,22		15,17		10,12
	1	9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	
WM9FMJ	Qiagen Investigator 24 Plex QS					
	15,15.3	17,22	13,14	15,17		10,12
	1	9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
WN38CA	Identifiler®, PowerPlex® fusion					
	15,15.3	17,22	13,14	15,17		10,12
	1	9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
WQREW8	PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
	1	9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

WRLBBT	GlobalFiler™, MiniFiler					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8,8	16,18	
WVKJPB	PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
X8TRVZ	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	
		28.2,29.2	6,9	8,8	16,18	
X9HALZ	PowerPlex® Fusion					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	13
	10		6,9	8	16,18	
XE8ML3	Identifiler® Plus					
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14	16	
	29,30		X,X	10,12	20,22	
			6,9	8	16,18	
XNZTMG	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	
		28.2,29.2	6,9	8,8	16,18	
XRH9YU	GlobalFiler™, MiniFiler					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

XTQCK6	GlobalFiler™ Express					
		15,15.3	17,22	13,14	15,17	10,12
	1		9,10	14,15		13,15
		11,13	8,13		14	16
		29,30	14,15	X	10,12	20,22
		28.2,29.2	6,9	8	16,18	
XTTVQF	Identifiler® Plus					
			17,22		15,17	10,12
	1		9,10	14,15		
		11,13	8,13		14,14	16,16
		29,30		X,X	10,12	20,22
			6,9	8,8	16,18	
XU8CR2	GlobalFiler™					
		15,15.3	17,22	13,14	15,17	10,12
	1		9,10	14,15		13,15
		11,13	8,13		14,14	16,16
		29,30	14,15	X,X	10,12	20,22
		28.2,29.2	6,9	8,8	16,18	
Y3A7BR	GlobalFiler™					
		15,15.3	17,22	13,14	15,17	10,12
	1		9,10	14,15		13,15
		11,13	8,13		14	16
		29,30	14,15	X	10,12	20,22
		28.2,29.2	6,9	8	16,18	
YBPPVQ	GlobalFiler™					
		15,15.3	17,22	13,14	15,17	10,12
	1		9,10	14,15		13,15
		11,13	8,13		14	16
		29,30	14,15	X	10,12	20,22
		28.2,29.2	6,9	8	16,18	
YC2E3A	PowerPlex® 16					
				15,17		10,12
	1		9,10	14,15		
		11,13	8,13		14	
		29,30		X,X	10,12	20,22
	10		6,9	8	16,18	13
YKT2PZ	PowerPlex® Fusion					
		15,15.3	17,22	13,14	15,17	10,12
	1		9,10	14,15		13,15
		11,13	8,13		14	16
		29,30	14,15	X	10,12	20,22
	10		6,9	8	16,18	13

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

YPNQ8R	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	
		28.2,29.2	6,9	8,8	16,18	
YQFPK6	GlobalFiler™ Express					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
YU6YVR	Identifiler® Plus					
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	
Z9E8AZ	Identifiler® Plus					
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14	16	
	29,30		X,X	10,12	20,22	
			6,9	8	16,18	
Z9WD9Q	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	
		28.2,29.2	6,9	8,8	16,18	
ZBLKTM	PowerPlex® FUSION					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	
ZLD9CH	Identifiler®					
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 1 - STR Results

ZMXRUU	PowerPlex® 16					
				15,17		10,12
1		9,10	14,15			
	11,13	8,13		14		
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	
ZNRLGQ	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14	16	
	29,30	14,15	X	10,12	20,22	
		28.2,29.2	6,9	8	16,18	
ZUBZV	Identifiler® Plus					
		17,22		15,17		10,12
1		9,10	14,15			
	11,13	8,13		14,14	16,16	
	29,30		X,X	10,12	20,22	
			6,9	8,8	16,18	
ZZJ674	PowerPlex® FUSION					
	15,15.3	17,22	13,14	15,17		10,12
1		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	13,13
	10,10		6,9	8,8	16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

26DB8D	Identifiler® Plus	19,20		14,16		9,12
2		10,11	10,14			
		10,11	12,12	13,19	12,15	
		30,33.2	X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
27MJB6	PowerPlex® 16			14,16		9,12
2		10,11	10,14			
		10,11	12	13,19		
		30,33.2	X,Y	11	20,24	13
		7,14	7,9.3	8,11	15,18	
2B3XWQ	GlobalFiler™	14,17.3	19,20	11.3,14	14,16	9,12
2		10,11	10,14		14,15	19,22
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	
2DB77B	Identifiler® Plus	19,20		14,16		9,12
2		10,11	10,14			
		10,11	12,12	13,19	12,15	
		30,33.2	X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
2G72MP	GlobalFiler™	14,17.3	19,20	11.3,14	14,16	9,12
2		10,11	10,14		14,15	19,22
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	
2NQ333	PowerPlex® Fusion	14,17.3	19,20	11.3,14	14,16	9,12
2		10,11	10,14		14,15	19,22
		10,11	12,12	13,19	12,15	
		30,33.2	16,16	X,Y	11,11	20,24
		7,14	7,9.3	8,11	15,18	
2QVL9B	Identifiler® Plus	19,20		14,16		9,12
2		10,11	10,14			
		10,11	12,12	13,19	12,15	
		30,33.2	X,Y	11,11	20,24	
			7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

3DN26N	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
3GHYRU	Identifiler® Plus					
		19,20		14,16		9,12
2		10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
3N384X						
	14,17.3	19,20		14,16		9,12
2	12,19	10,11	10,14			19,22
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
3XNDUA	Identifiler® Plus					
		19,20		14,16		9,12
2		10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
47GV3Q	PowerPlex® 16					
				14,16		9,12
2		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
4EWW77	PowerPlex® 16					
				14,16		9,12
2		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
4LC8J8	PowerPlex® 16					
				14,16		9,12
2		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

4X6ZK3	Identifiler® Plus, PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
4ZC784	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
696NEK	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
6FM6XM	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
6KTTKW	ESI17					
	14,17.3	19,20	11.3,14	14,16		
2			10,14		14,15	19,22
		12,12		13,19	12,15	
	30,33.2	16,16	X,Y		20,24	
		18,22.2	7,9.3		15,18	
6L8FX6	PowerPlex® Fusion, AmpFLSTR NGM					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
6RAJN3	PowerPlex® 21					
	14,17.3	19,20		14,16		9,12
2	12,19	10,11	10,14			19,22
	10,11	12		13,19	12,15	
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

76DA2U	Identifiler® Plus					
	-	19,20	-	14,16	-	9,12
2	-	10,11	10,14	-	-	-
	10,11	12	-	13,19	12,15	-
	30,33.2	-	X,Y	11	20,24	-
	-	-	7,9.3	8,11	15,18	
7ELLHY	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2	-	10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
7FXFZJ	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2	-	10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
7G9DD2	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2	-	10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	
		18,22.2	7,9.3	8,11	15,18	
7LL4VP	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
2	-	10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
7NRJ72	Identifiler® Plus, PowerPlex® 21					
	14,17.3	19,20		14,16		9,12
2	12,19	10,11	10,14			19,22
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
7UED4Y	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
2	-	10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

7Z7JYP	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
2	10,11 10,14 14,15 19,22					
	10,11	12		13,19	12,15	
	30,33.2 16 X,Y 11 20,24 13					
	7,14		7,9.3	8,11	15,18	
833NTK	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2	10,11 10,14 14,15 19,22					
	10,11	12		13,19	12,15	
	30,33.2 16 X,Y 11 20,24					
		18,22.2	7,9.3	8,11	15,18	
8QBTYZ	PowerPlex® 16					
				14,16		9,12
2	10,11 10,14					
	10,11	12		13,19		
	30,33.2 X,Y 11 20,24 13					
	7,14		7,9.3	8,11	15,18	
8QYECQ	PowerPlex® 21					
	14,17.3	19,20		14,16		9,12
2	12,19 10,11 10,14 19,22					
	10,11	12,12		13,19	12,15	
	30,33.2 X,Y 11,11 20,24 13,13					
	7,14		7,9.3	8,11	15,18	
8TAGWB	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
2	10,11 10,14 14,15 19,22					
	10,11	12,12		13,19	12,15	
	30,33.2 16,16 X,Y 11,11 20,24 13,13					
	7,14		7,9.3	8,11	15,18	
8WD826	Identifiler® Plus					
		19,20		14,16		9,12
2	10,11 10,14					
	10,11	12,12		13,19	12,15	
	30,33.2 X,Y 11,11 20,24					
			7,9.3		15,18	
969PBX	PowerPlex® 16					
				14,16		9,12
2	10,11 10,14					
	10,11	12		13,19		
	30,33.2 X,Y 11 20,24 13					
	7,14		7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

9BCD7J	PowerPlex® 16, GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	13
	7,14	18,22.2	7,9.3	8,11	15,18	
9GJ2JK	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
9M8Q4V	PowerPlex® Fusion 5C					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
9UN3GV	PowerPlex® ESI 17 PRO					
	14,17.3	19,20	11.3,14	14,16		
2			10,14		14,15	19,22
		12,12		13,19	12,15	
	30,33.2	16,16	X,Y		20,24	
		18,22.2	7,9.3		15,18	
ABRWNV	GlobalFiler™ Express					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
ACBQGJ	GlobalFiler™, MiniFiler					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
AGHJ32	Identifiler® Plus					
		19,20		14,16		9,12
2		10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

AQ3X3X	Identifiler® Plus	19,20		14,16		9,12
2		10,11	10,14			
		10,11		13,19	12,15	
		30,33.2	X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
B89JZD	PowerPlex® Fusion	14,17.3	19,20	11.3,14	14,16	9,12
2		10,11	10,14		14,15	19,22
		10,11		13,19	12,15	
		30,33.2	16,16	X,Y	11,11	20,24
		7,14		7,9.3	8,11	15,18
BMN9NF	GlobalFiler™	14,17.3	19,20	11.3,14	14,16	9,12
2		10,11	10,14		14,15	19,22
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
			18,22.2	7,9.3	8,11	15,18
BP8MRF	GlobalFiler™	14,17.3	19,20	11.3,14	14,16	9,12
2		10,11	10,14		14,15	19,22
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
			18,22.2	7,9.3	8,11	15,18
BT9HNC	PowerPlex® Fusion 5C	14,17.3	19,20	11.3,14	14,16	9,12
2		10,11	10,14		14,15	19,22
		10,11		13,19	12,15	
		30,33.2	16,16	X,Y	11,11	20,24
		7,14		7,9.3	8,11	15,18
BUKAKZ	PowerPlex® 16			14,16		9,12
2		10,11	10,14			
		10,11	12	13,19		
		30,33.2		X,Y	11	20,24
		7,14		7,9.3	8,11	15,18
C2YHGV	Identifiler®	19,20		14,16		9,12
2		10,11	10,14			
		10,11		13,19	12,15	
		30,33.2		X,Y	11,11	20,24
			7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

C8ZWZB	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
	2	10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
CAQZUH	Identifiler® Plus					
		19,20		14,16		9,12
	2	10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
		7,9.3	8,11	15,18		
CDAXJU	PowerPlex® FUSION					
	14,17.3	19,20	11.3,14	14,16		9,12
	2	10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
CLJLXR	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
	2	10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
CLM644	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
	2	10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
CMW3GL	Identifiler® Plus					
		19,20		14,16		9,12
	2	10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
		7,9.3	8,11	15,18		
CYABWX	NGM					
	14,17.3	19,20	11.3,14	14,16		
	2		10,14		14,15	19,22
		12,12		13,19	12,15	
	30,33.2	16,16	X,Y		20,24	
		7,9.3		15,18		

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

D6RYBZ	PowerPlex® Fusion 5C					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
DA7GNB	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
DAMXGJ	Identifiler® Plus					
		19,20		14,16		9,12
2		10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
DEYJUW	Identifiler®					
		19,20		14,16		9,12
2		10,11	10,14			
	10,11	12		13,19	12,15	
	30,33.2		[X],Y	11	20,24	
			7,9.3	8,11	15,18	
DGMDBX	PowerPlex® 16					
				14,16		9,12
2		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
DMUNLC	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
DTKYXV	Identifiler® Plus					
		19,20		14,16		9,12
2		10,11	10,14			
	10,11	12		13,19	12,15	
	30,33.2		X,Y	11	20,24	
			7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

DXRL9C	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
	2	10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
	18,22.2	7,9.3	8,11	15,18		
DZJKKP	GlobalFiler™ Express					
	14,17.3	19,20	11.3,14	14,16		9,12
	2	10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
	18,22.2	7,9.3	8,11	15,18		
ECAWCT	Identifiler® Plus					
		19,20		14,16		9,12
	2	10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
		7,9.3	8,11	15,18		
ECRkW9	Identifiler® Plus					
		19,20		14,16		9,12
	2	10,11	10,14			
	10,11	12		13,19	12,15	
	30,33.2		X,Y	11	20,24	
		7,9.3	8,11	15,18		
EG7AKC	GlobalFiler™, MiniFiler					
	14,17.3	19,20	11.3,14	14,16		9,12
	2	10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
	18,22.2	7,9.3	8,11	15,18		
F48879	Identifiler® Plus					
		19,20		14,16		9,12
	2	10,11	10,14			
	10,11	12		13,19	12,15	
	30,33.2		X,Y	11	20,24	
		7,9.3	8,11	15,18		
F7XBYF	PowerPlex®					
	14,17.3	19,20	11.3,14	14,16		9,12
	2	10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14	7,9.3	8,11	15,18		

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

FDLQWY	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
FHC6EE	PowerPlex® ESI Fast 16					
	14,17.3	19,20	11.3,14	14,16		
2			10,14		14,15	19,22
		12,12		13,19	12,15	
	30,33.2	16,16	X,Y		20,24	
			7,9.3		15,18	
FX6TRY	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
G3EL4A	GlobalFiler™ , MiniFiler					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
G4NHK8	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
GJEK2B	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
GKWCCG	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

GNWKJC	PowerPlex® 16					
				14,16		9,12
2		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
GP6ZPH	ESI-17					
	14,17.3	19,20	11.3,14	14,16		
2			10,14		14,15	19,22
		12,12		13,19	12,15	
	30,33.2	16,16	X,Y		20,24	
		18,22.2	7,9.3		15,18	
GVUEEP	Identifiler®, PowerPlex®					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
H2HAYU	Identifiler® Plus					
		19,20		14,16		9,12
2		10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
H3A9DR	PowerPlex® 16					
				14,16		9,12
2		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
H78YDC	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
HE3YR6	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

HEHBCV	Identifiler® Plus					
		19,20		14,16		9,12
2		10,11	10,14			
		10,11	12,12	13,19	12,15	
		30,33.2	X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
HKPMMA	NGM SElect					
		14,17.3	19,20	11.3,14	14,16	
2			10,14		14,15	19,22
		12,12		13,19	12,15	
		30,33.2	16,16	X,Y	20,24	
		18,22.2	7,9.3		15,18	
HQZQNA	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
2			10,11	10,14		14,15
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
			18,22.2	7,9.3	8,11	15,18
HTP3GN	PowerPlex® 16					
				14,16		9,12
2		10,11	10,14			
		10,11	12	13,19		
		30,33.2	X,Y	11	20,24	13
		7,14	7,9.3	8,11	15,18	
HXFG2P	Identifiler® Plus					
		19,20		14,16		9,12
2		10,11	10,14			
		10,11	12,12	13,19	12,15	
		30,33.2	X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
HYPNZB	PowerPlex® 16, GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
2			10,11	10,14		14,15
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
		7,14	18,22.2	7,9.3	8,11	15,18
JLEFMZ	Identifiler®					
		-	19,20	-	14,16	-
2		-	10,11	10,14	-	-
		10,11	12,12	-	13,19	12,15
		30,33.2	-	X,Y	11,11	20,24
		-	-	7,9.3	8,11	15,18

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

JZ93TR	Identifiler® Plus					
		19,20		14,16		9,12
2		10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
JZZTBE	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
K7MQLM	PowerPlex® 16					
				14,16		9,12
2		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
KCTNUR	Identifiler® Plus					
		19,20		14,16		9,12
2		10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
KMT28L	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
KX4TAL	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16	NT	9,12
2	NT	10,11	10,14	NT	14,15	19,22
	10,11	12	NT	13,19	12,15	NT
	30,33.2	16	X,Y	11	20,24	13
	7,14	NT	7,9.3	8,11	15,18	
LA4HAV	Identifiler® Plus, PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

LD2YMP	PowerPlex® 16					
				14,16		9,12
2		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
LEVQCF	Identifiler® Plus					
	-	19,20	-	14,16	-	9,12
2	-	10,11	10,14	-	-	-
	10,11	12	-	13,19	12,15	-
	30,33.2	-	X,Y	11	20,24	-
	-	-	7,9.3	8,11	15,18	
LMRJTM	PowerPlex® 16					
				14,16		9,12
2		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
LPVCML	PowerPlex® 16					
				14,16		9,12
2		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
LULTTK	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
M47KRG	GlobalFiler™ Express					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
M6XJVV	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

MC3GG6	Identifiler® Plus	19,20		14,16		9,12
2		10,11	10,14			
		10,11	12,12	13,19	12,15	
		30,33.2	X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
MPA9JD	DNA17	14,17.3	19,20	11.3,14	14,16	
2			10,14		14,15	19,22
		12,12		13,19	12,15	
		30,33.2	16,16	X,Y	20,24	
		18,22.2	7,9.3		15,18	
NCDGCE	GlobalFiler™ Express	14,17.3	19,20	11.3,14	14,16	9,12
2		10,11	10,14		14,15	19,22
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	
NKQNVN	Identifiler®	19,20		14,16		9,12
2		10,11	10,14			
		10,11	12,12	13,19	12,15	
		30,33.2	X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
NKU3BA	Identifiler® Plus	19,20		14,16		9,12
2		10,11	10,14			
		10,11	12,12	13,19	12,15	
		30,33.2	X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
P8T9RL	Identifiler® Plus	19,20		14,16		9,12
2		10,11	10,14			
		10,11	12,12	13,19	12,15	
		30,33.2	X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
PG3F3E	GlobalFiler™ Express	14,17.3	19,20	11.3,14	14,16	9,12
2		10,11	10,14		14,15	19,22
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

PG9NEM	Identifiler® Plus	19,20		14,16		9,12
2		10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
PTHGPZ	GlobalFiler™	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
PVL4CC	Identifiler® Plus	19,20	-	14,16	-	9,12
2		10,11	10,14	-	-	-
	10,11	12	-	13,19	12,15	-
	30,33.2	-	X,Y	11	20,24	-
			7,9.3	8,11	15,18	
Q8CCB7	Identifiler® Plus	19,20		14,16		9,12
2		10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
QFQW3H	GlobalFiler™	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
QVJNNJ	PowerPlex® 16			14,16		9,12
2		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
QWDGCA	Identifiler® Plus	19,20		14,16		9,12
2		10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		[X],Y	11,11	20,24	
			7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

QYK2ZB	Identifiler® Plus	19,20		14,16		9,12
2		10,11	10,14			
		10,11	12,12	13,19	12,15	
		30,33.2	X,[Y]	11,11	20,24	
			7,9.3	8,11	15,18	
R26698	PowerPlex® ESI 17 FAST	14,17.3	19,20	11.3,14	14,16	
2			10,14		14,15	19,22
		12,12		13,19	12,15	
		30,33.2	16,16	X,Y	20,24	
		18,22.2	7,9.3		15,18	
R62URZ	PowerPlex® PP16, GlobalFiler™	14,17.3	19,20	11.3,14	14,16	9,12
2		10,11	10,14		14,15	19,22
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
		7,14	18,22.2	7,9.3	8,11	15,18
R9N9KG	Identifiler® Plus	19,20		14,16		9,12
2		10,11	10,14			
		10,11	12	13,19	12,15	
		30,33.2	X,Y	11	20,24	
			7,9.3	8,11	15,18	
RLAQ9E	PowerPlex® Fusion	14,17.3	19,20	11.3,14	14,16	9,12
2		10,11	10,14		14,15	19,22
		10,11	12,12	13,19	12,15	
		30,33.2	16,16	X,Y	11,11	20,24
		7,14		7,9.3	8,11	15,18
RN3EVF	PowerPlex® Fusion 6C	14,17.3	19,20	11.3,14	14,16	9,12
2		10,11	10,14		14,15	19,22
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
		7,14	18,22.2	7,9.3	8,11	15,18
RYYK8	PowerPlex® Fusion	14,17.3	19,20	11.3,14	14,16	9,12
2		10,11	10,14		14,15	19,22
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
		7,14		7,9.3	8,11	15,18

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

T8NRH4	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
2	10,11 10,14 14,15 19,22					
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
TCHP8U	PowerPlex® Fusion 5C					
	14,17.3	19,20	11.3,14	14,16		9,12
2	10,11 10,14 14,15 19,22					
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
TFG3QD	PowerPlex®					
	14,17.3	19,20	11.3,14	14,16		9,12
2	10,11 10,14 14,15 19,22					
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
TFZPPV	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
2	10,11 10,14 14,15 19,22					
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
TKEHLF	PowerPlex® 16					
				14,16		9,12
2	10,11 10,14 14,15 19,22					
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
TM6G77	Identifiler® Plus					
		19,20		14,16		9,12
2	10,11 10,14 14,15 19,22					
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
TMVPQJ	Identifiler® Plus					
		19,20		14,16		9,12
2	10,11 10,14 14,15 19,22					
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

U3TA7X	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
	2	10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
	18,22.2	7,9.3	8,11	15,18		
U62DUU	PowerPlex® Fusion 5C					
	14,17.3	19,20	11.3,14	14,16		9,12
	2	10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14	7,9.3	8,11	15,18		
UDW79F	PowerPlex® 16					
				14,16		9,12
	2	10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14	7,9.3	8,11	15,18		
UH6ULG	PowerPlex® 16					
				14,16		9,12
	2	10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14	7,9.3	8,11	15,18		
UPTBJZ	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
	2	10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	
	18,22.2	7,9.3	8,11	15,18		
UTKQH8	Identifiler® Plus					
	-	19,20	-	14,16	-	9,12
	2	10,11	10,14	-	-	-
	10,11	12	-	13,19	12,15	-
	30,33.2	-	X,Y	11	20,24	-
	-	7,9.3	8,11	15,18		
UVAX36	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
	2	10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	13
	7,14	7,9.3	8,11	15,18		

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

UWPAPF	PowerPlex® 16					
				14,16		9,12
2		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
VA37Y9	Identifiler® Plus, PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
VAMQ72	Identifiler® Plus					
		19,20		14,16		9,12
2		10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
VCRDNC	GlobalFiler™ Express					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	
		18,22.2	7,9.3	8,11	15,18	
VHJMT4	PowerPlex® ESI16, In-house					
	14,17.3	19,20	11.3,14	14,16		
2			10,14		14,15	19,22
		12		13,19	12,15	
	30,33.2	16	X,Y		20,24	
			7,9.3		15,18	
VP2URW	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
VRTXBV	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

W2RZ8C	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
	2	10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	
	18,22.2	7,9.3	8,11	15,18		
WC9UEY	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
	2	10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	13
	7,14	7,9.3	8,11	15,18		
WEE84D	PowerPlex® 16					
				14,16		9,12
	2	10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14	7,9.3	8,11	15,18		
WKJBLY	Identifiler® Plus					
		19,20		14,16		9,12
	2	10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
		7,9.3	8,11	15,18		
WM9FMJ	Qiagen Investigator 24 Plex QS					
	14,17.3	19,20	11.3,14	14,16		9,12
	2	10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
	18,22.2	7,9.3	8,11	15,18		
WN38CA	PowerPlex® fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
	2	10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14	7,9.3	8,11	15,18		
WQREW8	Identifiler® Plus, PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
	2	10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14	7,9.3	8,11	15,18		

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

WRLBBT	GlobalFiler™, MiniFiler					
		14,17.3	19,20	11.3,14	14,16	9,12
	2		10,11	10,14		14,15
		10,11	12,12		13,19	12,15
		30,33.2	16,16	X,Y	11,11	20,24
		18,22.2	7,9.3	8,11	15,18	
WVKJPB	Identifiler® Plus, PowerPlex® Fusion					
		14,17.3	19,20	11.3,14	14,16	9,12
	2		10,11	10,14		14,15
		10,11	12,12		13,19	12,15
		30,33.2	16,16	X,Y	11,11	20,24
		7,14	7,9.3	8,11	15,18	13,13
X8TRVZ	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	2		10,11	10,14		14,15
		10,11	12,12		13,19	12,15
		30,33.2	16,16	X,Y	11,11	20,24
		18,22.2	7,9.3	8,11	15,18	
X9HALZ	PowerPlex® Fusion					
		14,17.3	19,20	11.3,14	14,16	9,12
	2		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
		7,14	7,9.3	8,11	15,18	13
XE8ML3	Identifiler® Plus					
			19,20		14,16	9,12
	2		10,11	10,14		
		10,11	12		13,19	12,15
		30,33.2		X,Y	11	20,24
			7,9.3	8,11	15,18	
XNZTMG	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	2		10,11	10,14		14,15
		10,11	12,12		13,19	12,15
		30,33.2	16,16	X,Y	11,11	20,24
		18,22.2	7,9.3	8,11	15,18	
XRH9YU	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	2		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

XTQCK6	GlobalFiler™ Express					
		14,17.3	19,20	11.3,14	14,16	9,12
	2		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	
XTTVQF	Identifiler® Plus					
			19,20		14,16	9,12
	2		10,11	10,14		
		10,11	12,12		13,19	12,15
		30,33.2		X,Y	11,11	20,24
			7,9.3	8,11	15,18	
XU8CR2	Identifiler® Plus					
			19,20		14,16	9,12
	2		10,11	10,14		
		10,11	12,12		13,19	12,15
		30,33.2		X,Y	11,11	20,24
			7,9.3	8,11	15,18	
Y3A7BR	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	2		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	
YBPPVQ	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	2		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	
YC2E3A	PowerPlex® 16					
				14,16		9,12
	2		10,11	10,14		
		10,11	12		13,19	
		30,33.2		X,Y	11	20,24
	7,14		7,9.3	8,11	15,18	13
YKT2PZ	PowerPlex® Fusion					
		14,17.3	19,20	11.3,14	14,16	9,12
	2		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
	7,14		7,9.3	8,11	15,18	13

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

YPNQ8R	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	
		18,22.2	7,9.3	8,11	15,18	
YQFPK6	GlobalFiler™ Express					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
YU6YVR	Identifiler® Plus					
		19,20		14,16		9,12
2		10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
Z9E8AZ	Identifiler® Plus					
		19,20		14,16		9,12
2		10,11	10,14			
	10,11	12		13,19	12,15	
	30,33.2		X,Y	11	20,24	
			7,9.3	8,11	15,18	
Z9WD9Q	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	
		18,22.2	7,9.3	8,11	15,18	
ZBLKTM	PowerPlex® FUSION					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
ZLD9CH	Identifiler®					
		19,20		14,16		9,12
2		10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 2 - STR Results

ZMXRUU	PowerPlex® 16					
				14,16		9,12
2		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
ZNRLGQ	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
ZUBZVV	Identifiler® Plus					
		19,20		14,16		9,12
2		10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
ZZJ674	Identifiler®, PowerPlex® FUSION					
	14,17.3	19,20	11.3,14	14,16		9,12
2		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3 - STR Results

6L8FX6	PowerPlex® Fusion, AmpFLSTR NGM					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,13	21	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
8QYECQ	PowerPlex® 21					
	15,15.3	17,21,22,25		15,17,18		10,12
3	12,13,18	9,10	13,14,15			17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
YU6YVR	Identifiler® Plus					
		17,[21],22,[25]		[15],17,[18]		[10],[12]
3		[9],[10]	[13],14,[15]			
	11,[12],13,[14]	8,[11],13		[11],[14]	[14],[15],16	
	[29],[30]		X,Y	[10],12,[13]	20,[21],22	
			6,[7],9,[9.3]	[8],[11]	[15],[16],18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

26DB8D	Identifiler® Plus					
		17,[21],22,[25]		15,17,[18]		10,12
3e		9,10	[13],14,15			
		11,[12],13,[14]	8,11,13	[11],14,14	[14],[15],16,16	
		29,30	X,X,[Y]	10,12,[13]	20,21,22	
			6,[7],9,[9.3]	8,8,[11]	[15],16,18	
27MJB6	PowerPlex® 16					
				15,17		10,12
3e		9,10	13,14,15			
		11,13	8,11,13	11,14		
		29,30	X,X	10,12,13	20,21,22	8,9,13
		10	6,7,9,9.3	8,11	15,16,18	
2B3XWQ	GlobalFiler™					
		15,15.3	17,21,22,25	11,13,14,15	15,17,18	10,11,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
		11,12,13,14	8,11,13	11,14	14,15,16	
		29,30	11,14,15,16	X,Y	10,11,12,13	20,21,22
			14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18
2DB77B	Identifiler® Plus					
		17,[21],22,[25]		15,17,[18]		10,12
3e		9,10	[13],14,15			
		11,[12],13,[14]	8,[11],13	[11],14,14	[14],[15],16,16	
		29,30	X,X,[Y]	10,12,[13]	20,[21],[21],22	
			6,[7],9,[9.3]	8,8,[11]	[15],16,18	
2G72MP	GlobalFiler™					
		15,15.3	17,21,22,25	11,13,14,15	15,17,18	10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
		11,12,13,14	8,11,13	11,14	14,15,16	
		29,30	11,14,15,16	X,Y	10,12,13	20,21,22
			14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18
2NQ333	PowerPlex® Fusion					
		15,15.3	17,21,22,25	11,13,14,15	15,17,18	10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
		11,12,13,14	8,11,13	11,14	14,15,16	
		29,30	11,14,15,16	X,Y	10,12,13	20,21,22
		7,10,18	6,7,9,9.3	8,11	15,16,18	
2QVL9B	Identifiler® Plus					
		17,[21],22,[25]		[15],15,17,[18]		10,12
3e		9,10	[13],14,[15],15			
		11,[12],13,[14]	8,11,13	[11],[14],14,14	[14],[15],16,16	
		29,30	[X],X,X,[Y]	[10],10,12,[13]	20,21,22	
			6,[7],9,[9.3]	[8],8,8,[11]	[15],[16],16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

3DN26N	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e	9,10		13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
3GHYRU	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
3e	9,10		13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	
3N384X	PowerPlex® 21					
	15,15.3	17,21,22,25		15,17,18		10,12
3e	12,13,18	9,10	13,14,15			17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
3XNDUA	Identifiler® Plus					
		17,[21],22,[25]		15,17,[18]		10,12
3e	9,10		[13],14,15,[15]			
	11,[12],13,[14]	8,11,13		[11],14,14	[14],[15],16,16	
	29,30		X,X,[Y]	10,12,[13]	20,21,22	
			6,[7],9,[9.3]	8,8,[8],[11]	[15],16,18	
47GV3Q	PowerPlex® 16					
				15,17,18		10,12
3e	9,10		13,14,15			
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
4EWW77	PowerPlex® 16					
				15,17,18		10,12
3e	9,10		13,14,15			
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
4LC8J8	PowerPlex® 16					
				15,17,18		10,12
3e	9,10		13,14,15			
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	10		6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

4X6ZK3	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
4ZC784	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
696NEK	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
6FM6XM	GlobalFiler™					
	Q,14,15,15.3	17,21,22,25	10,11,13,14,15	Q,14,15,17,18		9,10,11,12
3e		Q,8,9,10	Q,12,13,14,15		Q,12,13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		Q,10,11,13,14	Q,13,14,15,16	
	Q,28,29,30	11,14,15,16	X,Y	Q,9,10,12,13	Q,20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	Q,8,11	Q,14,16,15,18	
6KTTKW	ESI17					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		
3e			13,14,15		13,14,15	17,17.3,20,22
		8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y		20,21,22	
		14,16,28.2,29.2	6,7,9,9.3		15,16,18	
6RAJN3	PowerPlex® 21					
	15	17,22		15,17		10,12
3e	12,13	9,10	14,15			17.3,22
	11,13	8,13		14	16	
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	
76DA2U	Identifiler® Plus					
	-	17,21,22,25	-	15,17,18	-	10,12
3e	-	9,10	13,14,15	-	-	-
	11,12,13,14	8,11,13	-	11,14	14,15,16	-
	29,30	-	X,Y	10,12,13	20,21,22	-
	-	-	6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

7ELLHY	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
	3e	9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
	14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18		
7FXFZJ	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
	3e	9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
	14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18		
7G9DD2	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
	3e	9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
	14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18		
7LL4VP	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
	3e	9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18	6,7,9,9.3	8,11	15,16,18		
7NRJ72	Identifiler® Plus, PowerPlex® 21					
	15,15.3	17,21,22,25		15,17,18		10,12
	3e	12,13,18	9,10	13,14,15		17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18	6,7,9,9.3	8,11	15,16,18		
7UED4Y	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
	3e	9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18	6,7,9,9.3	8,11	15,16,18		
7Z7JYP	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
	3e	9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18	6,7,9,9.3	8,11	15,16,18		

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

833NTK	GlobalFiler™					
	15,15.3	17,[21],22,[25]	[11],13,14,[15]	15,17,[18]		10,12
3e		9,10	[13],14,15		13,[14],15	[17],17.3,[20],22
	11,[12],13,[14]	8,[11],13		[11],14	[14,15],16	
	29,30	[11],14,15,[16]	X,[Y]	10,12,[13]	20,[21],22	
		[14,16],28.2,29.2	6,[7],9,[9.3]	8	[15],16,18	
8QBTYZ	PowerPlex® 16					
				15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
8TAGWB	PowerPlex® Fusion					
	15,15.3	17,[21],22,[25]	13,14,[15]	15,17,[18]		10,12
3e		9,10	[13],14,15		13,[14],15	[17],17.3,[20],22
	11,[12],13,[14]	8,[11],13		[11],14	[14],[15],16	
	29,30	[11],14,15,[16]	X,[Y]	10,12,[13]	20,[21],22	[8],[9],13
	[7],10		6,[7],9,[9.3]	8,8,[11]	[15],16,18	
8WD826	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	11,11		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21	
			6,7,9,9.3	8,11	15,16,18	
969PBX	PowerPlex® 16					
				15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
9BCD7J	PowerPlex® 16, GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18	14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
9GJ2JK	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

9M8Q4V	PowerPlex® Fusion 5C					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
	9,10		13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	21,22	8,9,13
	7,10,18	6,7,9,9.3	8,11	15,16,18		
9UN3GV	PowerPlex® ESI 17 PRO					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		
	9,10		13,14,15		13,14,15	17,17.3,20,22
		8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y		20,21,22	
	14,16,28.2,29.2	6,7,9,9.3		15,16,18		
ABRWNV	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
	9,10		13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
		6,7,9,9.3	8,11	15,16,18		
ACBQGJ	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
	9,10		13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
	14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18		
AGHJ32	Identifiler® Plus					
		17,[21],22,[25]		15,17,[18]		10,12
	9,10		[13],14,15			
	11,[12],13,[14]	8,11,13		[11],14,14	[14],[15],16,16	
	29,30		X,X,[Y]	10,12,[13]	20,[21],22	
		6,[7],9,[9.3]	8,8,[11]	[15],16,18		
AQ3X3X	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
	9,10		13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
		6,7,9,9.3	8,11	15,16,18		
B89JZD	PowerPlex® Fusion					
	15,15.3	17,[21],22,[25]	[11],13,14,[15]	15,17,[18]		10,12
	9,10		[13],14,15		13,[14],15	[17],17.3,[20],22
	11,[12],13,[14]	8,[11],13		[11],14	[14],[15],16	
	29,30	[11],14,15,[16]	X,[Y]	10,12,[13]	20,[21],22	[8],[9],13
	[7],10,[18]	6,[7],9,[9.3]	8,[11]	[15],16,18		

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

BMN9NF	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
BP8MRF	GlobalFiler™					
	Q,14,15,15.3	17,21,22,25	11,13,14,15	Q,14,15,17,18		Q,9,10,11,12
3e		Q,9,10	Q,12,13,14,15		Q,12,13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		Q,11,13,14	Q,13,14,15,16	
	Q,28,29,30	11,14,15,16	X,Y	Q,10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	Q,8,11	Q,14,15,16,18	
BT9HNC	PowerPlex® Fusion 5C					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
BUKAKZ	PowerPlex® 16					
				15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
C2YHGV		17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	
C8ZWZB	PowerPlex® Fusion					
	15,15.3	17,[21],22,[25]	[11],13,14,[15]	15,17,[18]		10,12
3e		9,10	[13],14,15		13,[14],15	[17],17.3,[20],22
	11,[12],13,[14]	8,[11],13		[11],14,14	[14],[15],16,16	
	29,30	[11],14,15,[16]	X,X,[Y]	10,12,[13]	20,[21],22	[8],[9],13,13
	[7],10,10,[18]		6,[7],9,[9.3]	8,8,[11]	[15],16,18	
CAQZUH	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

CDAXJU	PowerPlex® FUSION					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e	9,10		13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
CLJLXR	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e	9,10		13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
CLM644	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e	9,10		13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
CMW3GL	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
3e	9,10		13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	
CYABWX	NGM					
	15,15.3	17,22	13,14	15,17		
3e			14,15		13,15	17.3,22
		8,13		14,14	16,16	
	29,30	14,15	X,X		20,22	
			6,9		16,18	
D6RYBZ	PowerPlex® Fusion 5C					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e	9,10		13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
DA7GNB	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e	9,10		13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

DAMXGJ	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	
DEYJUW	Identifiler®					
		17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	[8],11,[13]		[11],14	14,15,16	
	29,30		X,Y	10,[12],[13]	[20],21,[22]	
			6,7,9,9.3	8,[11]	15,16,18	
DGMDBX	PowerPlex® 16					
				15,17,18		10,12
3e		9,10	14,15			
	11,13	8,11,13		14		
	29,30		X,Y	10,12,13	20,21,22	8,13
	10		6,7,9,9.3	8,11	16,18	
DMUNLC	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
DTKYXV	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	
DXRL9C	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20
	12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
DZJKKP	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

ECAWCT	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	
ECRKW9	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	
EG7AKC	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
F48879	Identifiler® Plus					
		17,21,22,25		15,17,[18]		10,12
3e		9,10	[13],14,15			
	11,[12],13,[14]	8,11,13		[11],14	14,15,16	
	29,30		X,[Y]	10,12,[13]	20,21,22	
			6,[7],9,[9.3]	8,[11]	[15],16,18	
F7XBYP	PowerPlex®					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
FDLQWY	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
FHC6EE	PowerPlex® ESI Fast 16					
	15,15.3	17,[21],22,[25]	[11],13,14,[15]	15,17,[18]		
3e			13,14,15		13,[14],15	[17],17.3,[20],22
		8,11,13		[11],14	[14],[15],16	
	29,30	[11],14,15,[16]	X,X,[Y]		20,21,22	
			6,7,9,9.3		15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

FX6TRY	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e	9,10		13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
G3EL4A	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e	9,10		13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
G4NHK8	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e	9,10		13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
GJEK2B	GlobalFiler™					
	15,15.3	17,[21],22,[25]	[11],13,14,[15]	15,17,[18]		10,12
3e	9,10		[13],14,15		13,[14],15	[17],17.3,[20],22
	11,[12],13,[14]	8,[11],13		[11],14	[14],[15],16	
	29,30	[11],14,15,[16]	X,[Y]	10,12,[13]	20,[21],22	
		[14],[16],28.2,29.2	6,[7],9,[9.3]	8,[11]	[15],16,18	
GKWCCG	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e	9,10		13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
GNWKJC	PowerPlex® 16					
				15,17,18		10,12
3e	9,10		13,14,15			
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
GP6ZPH	ESI-17					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		
3e			13,14,15		13,14,15	17,17.3,20,22
		8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y		20,21,22	
		14,16,28.2,29.2	6,7,9,9.3		15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

GVUEEP	PowerPlex® FUSION					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
H2HAYU	Identifiler® Plus					
		17,[21],22,[25]		15,17,[18]		10,12
3e		9,10	[13],14,15			
	11,[12],13,[14]	8,[11],13		[11],14,14	[14],[15],16,16	
	29,30		X,X,[Y]	10,12,[13]	20,[21],22	
			6,[7],9,[9.3]	8,8,[11]	[15],16,18	
H3A9DR	PowerPlex® 16					
				15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
H78YDC	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
HE3YR6	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
HEHBCV	Identifiler® Plus					
		17,[21],22,[25]		15,[15],17,[18]		10,[10],12,[12]
3e		9,[9],10,[10]	[13],14,15,[15]			
	11,[12],13,[14]	8,[11],[11],13		[11],[14],14,14	[14],[15],16,16	
	29,[29],30,[30]		X,X,[X],[Y]	10,[10],12,[13]	20,[21],[21],22	
			6,[7],9,[9.3]	8,8,[8],[11]	[15],[16],16,18	
HKPMMA	NGM SElect					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		
3e			13,14,15		13,14,15	17,17.3,20,22
		8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y		20,21,22	
		14,16,28.2,29.2	6,7,9,9.3		15,16,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

HQZQNA	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
HTP3GN	PowerPlex® 16					
				15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
HXFG2P	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	
HYPNZB	PowerPlex® 16, GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18	14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
JLEFMZ	Identifiler®					
	-	17,21,22,25	-	15,17,18	-	10,12
3e	-	9,10	13,14,15	-	-	-
	11,12,13,14	8,11,13	-	11,14	14,15,16	-
	29,30	-	X,Y	10,12,13	20,21,22	-
	-	-	6,7,9,9.3	8,11	15,16,18	
JZ93TR	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		14,14	15,16	
	29,30		X,X	10,12,13	20,21,22	
			6,7,9,9.3	8,8	15,16,18	
JZZTBE	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

K7MQLM	PowerPlex® 16					
				15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12	20,21,22	9,13
	7,10		6,7,9,9.3	8,11	15,16,18	
KCTNUR	Identifiler® Plus					
		17,[21],22,[25]		15,17,[18]		10,12
3e		9,10	[13],14,15			
	11,[12],13,[14]	8,[11],13		[11],14,14	[14],[15],16,16	
	29,30		X,X,[Y]	10,12,[13]	20,[21],22	
			6,[7],9,[9.3]	8,8,[11]	[15],16,18	
KMT28L	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
KX4TAL	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18	NT	10,12
3e	NT	9,10	13,14,15	NT	13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13	NT	11,14	14,15,16	NT
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18	NT	6,7,9,9.3	8,11	15,16,18	
LA4HAV	Identifiler® Plus, PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
LD2YMP	PowerPlex® 16					
				15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
LEVQCF	Identifiler® Plus					
	-	17,21,22,25	-	15,17,18	-	10,12
3e	-	9,10	13,14,15	-	-	-
	11,12,13,14	8,11,13	-	11,14	14,15,16	-
	29,30	-	X,Y	10,12,13	20,21,22	-
	-	-	6,7,9,9.3	8,11	15,16,18	-

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

LMRJTM	PowerPlex® 16					
				15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
LPVCML	PowerPlex® 16					
				15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
LULTTK	PowerPlex® Fusion					
	15,15.3	17,[21],22,[25]	[11],13,14,[15]	15,17,[18]		10,12
3e		9,10	[13],14,15		13,[14],15	[17],17.3,[20],22
	11,[12],13,[14]	8,11,13		[11],14	[14],[15],16	
	29,30	[11],14,15,[16]	X,Y	10,12,[13]	20,21,22	[8],[9],13
	[7],10,[18]		6,[7],9,[9.3]	8,[11]	[15],16,18	
M47KRG	Identifiler® Plus					
		[17],21,[22],25		15,[17],18		10,12
3e		9,10	13,[14],15			
	[11],12,[13],14	[8],11,[13]		11,14	14,15,[16]	
	29,30		X,Y	10,[12],13	[20],[21],[22]	
			[6],7,[9],9.3	8,11	15,16,[18]	
M6XJVV	PowerPlex® Fusion					
	15,[15.3]	17,21,[22],25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,[Y]	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,[11]	15,16,[18]	
MC3GG6	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	
MPA9JD	DNA17					
3e						

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

NCDGCE	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
NKQNVN	Identifiler®					
		17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	[8],11,11,[13]		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			[6],7,[9],9.3	8,11	15,16,18	
NKU3BA	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	
P8T9RL	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	
PG3F3E	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	
PG9NEM	Identifiler® Plus					
		17,[21],22,[25]		15,17,[18]		10,12
3e		9,10	[13],14,15			
	11,[12],13,[14]	8,[11],[11],13		[11],14,14	[14],[15],16,16	
	29,30		X,X,[Y]	10,12,[13]	20,[21],[21],22	
			6,[7],9,[9.3]	8,8,[11]	[15],16,18	
PTHGPZ	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13,Q		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,11,12,13,Q	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11,Q	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

PVL4CC	Identifiler® Plus					
	-	17,21,22,25	-	15,17,18	-	10,12
3e	-	9,10	13,14,15	-	-	-
	11,12,13,14	8,11,13	-	11,14	14,15,16	-
	29,30	-	X,Y	10,12,13	20,21,22	-
	-	-	6,7,9,9.3	8,11	15,16,18	
Q8CCB7	Identifiler® Plus					
	-	17,21,22,25	-	15,17,18	-	10,12
3e	-	9,10	13,14,15	-	-	-
	11,12,13,14	8,11,13	-	11,14	14,15,16	-
	29,30	-	X,Y	10,12,13	20,21,22	-
	-	-	6,7,9,9.3	8,11	15,16,18	
QFQW3H	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18	-	10,12
3e	-	9,10	13,14,15	-	13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13	-	11,14	14,15,16	-
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	-
	-	14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
QVJNNJ	PowerPlex® 16					
	-	-	-	15,17,18	-	10,12
3e	-	9,10	13,14,15	-	-	-
	11,12,13,14	8,11,13	-	11,14	-	-
	29,30	-	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18	-	6,7,9,9.3	8,11	15,16,18	
QWDGCA	Identifiler® Plus					
	-	17,21,22,25	-	15,[17],[18]	-	10,12
3e	-	9,10	[13],14,15	-	-	-
	11,[12],13,[14]	8,11,13	-	[11],14,14	[14],[15],16	-
	29,30	-	X,X,[Y]	10,[12],[13]	20,21,22	-
	-	-	6,7,9,9.3	8,8,[11]	15,16,18	
QYK2ZB	Identifiler® Plus					
	-	17,21,22,25	-	15,[17],[18]	-	10,12
3e	-	9,10	[13],[14],15	-	-	-
	11,12,13,14	[8],11,[13]	-	[11],14	14,15,16	-
	29,30	-	X,[Y]	10,[12],[13]	[20],21,[22]	-
	-	-	6,7,9,9.3	8,[11]	15,16,18	
R26698	PowerPlex® ESI 17 FAST					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18	-	-
3e	-	-	13,14,15	-	13,14,15	17,17.3,20,22
	-	8,11,13	-	11,14	14,15,16	-
	29,30	11,14,15,16	X,Y	-	20,21,22	-
	-	14,16,28.2,29.2	6,7,9,9.3	-	15,16,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

R62URZ	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
	3e	9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
	14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18		
R9N9KG	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
	3e	9,10	13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
		6,7,9,9.3	8,11	15,16,18		
RLAQ9E	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
	3e	9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18	6,7,9,9.3	8,11	15,16,18		
RN3EVF	PowerPlex® Fusion 6C					
	15,15.3	17,[21],22,[25]	[11],13,14,[15]	15,17,[18]		10,12
	3e	9,10	[13],14,15		13,15	[17],17.3,[20],22
	11,[12],13,[14]	8,[11],13		[11],14	[14,15],16	
	29,30	[11],14,15,[16]	X,[Y]	10,12,[13]	20,21,22	[8,9],13
	[7],10,[18]	[14,16],28.2,29.2	6,7,9,9.3	8,[11]	[15],16,18	
RYYK8	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
	3e	9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18	6,7,9,9.3	8,11	15,16,18		
T8NRH4	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
	3e	9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18	6,7,9,9.3	8,11	15,16,18		
TCHP8U	PowerPlex® Fusion 5C					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
	3e	9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18	6,7,9,9.3	8,11	15,16,18		

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

TFG3QD	PowerPlex®					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e	9,10		13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
TFZPPV	PowerPlex® Fusion					
	15,15.3	17,(21),22,(25)	(11),13,14,(15)	15,17,(18)		10,12
3e	9,10		(13),14,15		13,14,15	17,17.3,20,22
	11,(12),13,(14)	8,11,13		(11),14,14	(14,15),16,16	
	29,30	(11),14,15,(16)	X,X,(Y)	10,12,(13)	20,21,22	(8,9),13,13
	(7),10,10,(18)		6,(7),9,(9.3)	8,8,(11)	(15),16,18	
TKEHLF	PowerPlex® 16					
				15,17,18		10,12
3e	9,10		13,14,15			
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
TM6G77	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
3e	9,10		13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	
TMVPQJ	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
3e	9,10		13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	
U3TA7X	GlobalFiler™, MiniFiler					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e	9,10		13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
U62DUU	PowerPlex® Fusion 5C					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e	9,10		13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30,31	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

UDW79F	PowerPlex® 16					
				15,17,18		10,12
3e	9,10 13,14,15					
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
UH6ULG	PowerPlex® 16					
				15,17,18		10,12
3e	9,10 13,14,15					
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
UPTBJZ	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e	9,10 13,14,15 13,14,15 17,17.3,20,22					
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
UTKQH8	Identifiler® Plus					
	-	17,21,22,25	-	15,17,18	-	10,12
3e	- 9,10 13,14,15 - - -					
	11,12,13,14	8,11,13	-	11,14	14,15,16	-
	29,30	-	X,Y	10,12,13	20,21,22	-
	-	-	6,7,9,9.3	8,11	15,16,18	
UVAX36	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e	9,10 13,14,15 13,14,15 17,17.3,20,22					
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
UWPAPF	PowerPlex® 16					
				15,17,18		10,12
3e	9,10 13,14,15					
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
VA37Y9	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e	9,10 13,14,15 13,14,15 17,17.3,20,22					
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

VAMQ72	Identifiler® Plus	17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	
VCRDNC	GlobalFiler™					
	15,15.3	17,22	13,14	15,17		10,12
3e		9,10	14,15		13,15	17.3,22
	11,13	8,13		14,14	16,16	
	29,30	14,15	X,X	10,12	20,22	
		28.2,29.2	6,9	8,8	16,18	
VHJMT4	PowerPlex® ESI16					
	15	21,[22],25	11,[14],15]	15,[17],18		
3e			13,[14],15		[13],14,[15]	[17],20
		[8],11,[13]		11,14	14,15,[16]	
	29,30	11,16	X,Y		[20],21,[22]	
			6,7,[9],9.3		15,16,[18]	
VP2URW	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
VRTXBV	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
W2RZ8C	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
WC9UEY	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

WEE84D	PowerPlex® 16			15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
WKJBLY	Identifiler® Plus			15,17,18		10,12
3e		17,21,22,25				
		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	
WM9FMJ	Qiagen Investigator 24 Plex QS					
3e	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
WN38CA	PowerPlex® fusion					
3e	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
WQREW8	PowerPlex® Fusion					
3e	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
WRLBBT	GlobalFiler™					
3e	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
WVKJPB	PowerPlex® Fusion					
3e	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

X8TRVZ	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
	3e	9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
	14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18		
X9HALZ	PowerPlex® Fusion					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
	3e	9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18	6,7,9,9.3	8,11	15,16,18		
XE8ML3	Identifiler® Plus					
		17,21,22,25		15,17,18		10,12
	3e	9,10	13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
		6,7,9,9.3	8,11	15,16,18		
XNZTMG	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
	3e	9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
	14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18		
XRH9YU	GlobalFiler™					
	14,15,15.3,Q	17,22,Q	11,13,14,15	14,15,17,18,Q		10,12,Q
	3e	9,10,Q	13,14,15,Q		12,13,14,15,Q	16.3,17,17.3,20,21,22,Q
	11,12,13,14	8,11,13,Q		11,13,14,Q	14,15,16,Q	
	28,29,30,Q	11,14,15,16,Q	X,Y	10,12,13,Q	20,21,22,Q	
	14,16,27.2,28.2,29.2,Q	9,Q	8,11,Q	15,16,18,Q		
XTQCK6	GlobalFiler™					
	15,15.3	17,21,22,25	11,13,14,15	15,17,18		10,12
	3e	9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
	14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18		
XTTVQF	Identifiler® Plus					
		17,[21],22,[25]		15,17,[18]		10,12
	3e	9,10	[13],14,15			
	11,[12],13,[14]	8,11,13		[11],14,14	[14],[15],16,16	
	29,30		X,X,[Y]	10,12,[13]	20,21,22	
		6,[7],9,[9.3]	8,8,[8],[11]	[15],16,18		

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

XU8CR2	Identifiler® Plus	17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	
Y3A7BR	GlobalFiler™	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
YBPPVQ	GlobalFiler™	[17],21,[22],25	11,[13],[14],15	15,[17],18		10,12
3e		9,10	13,[14],15		13,14,15	17,[17.3],20,[22]
	11,12,13,14	[8],11,[13]		11,14	14,15,[16]	
	29,30	11,[14],[15],16	X,Y	10,[12],13	[20],21,[22]	
		14,16,[28.2],[29.2]	[6],7,[9],9.3	8,11	15,16,[18]	
YC2E3A	PowerPlex® 16			15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
YKT2PZ	PowerPlex® Fusion	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
YPNQ8R	GlobalFiler™	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
YQFPK6	GlobalFiler™	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

Z9E8AZ	Identifiler® Plus	17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	
Z9WD9Q	GlobalFiler™	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
ZBLKTM	PowerPlex® Fusion	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
ZLD9CH	Identifiler®	17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	
ZMXRUU	PowerPlex® 16			15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14		
	29,30		X,Y	10,12,13	20,21,22	8,9,13
	7,10,18		6,7,9,9.3	8,11	15,16,18	
ZNRLGQ	GlobalFiler™	17,21,22,25	11,13,14,15	15,17,18		10,12
3e		9,10	13,14,15		13,14,15	17,17.3,20,22
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y	10,12,13	20,21,22	
		14,16,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
ZUBZVV	Identifiler® Plus	17,21,22,25		15,17,18		10,12
3e		9,10	13,14,15			
	11,12,13,14	8,11,13		11,14	14,15,16	
	29,30		X,Y	10,12,13	20,21,22	
			6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3e - STR Results

ZZJ674	PowerPlex® FUSION					
	15,15.3	17,[21],22,[25]	[11],13,14,[15]	15,17,[18]		10,12
3e		9,10	[13],14,15		13,[14],15	[17],17.3,[20],22
	11,[12],13,[14]	8,[11],13		[11],14	[14,15],16	
	29,30	[11],14,15,[16]	X,Y	10,12,[13]	20,[21],22	[8,9],13
	[7],10,[18]		6,[7],9,[9.3]	8,[11]	[15],16,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

26DB8D	Identifiler® Plus					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
			7,9.3	8,11	15,16	
27MJB6	PowerPlex® 16					
				15,18		10,12
3sp		9,10	13,15			
	12,14	11		11,14		
	29,30		X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	
2B3XWQ	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
		14,16	7,9.3	8,11	15,16	
2DB77B	Identifiler® Plus					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
			7,9.3	8,11	15,16	
2G72MP	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
		14,16	7,9.3	8,11	15,16	
2NQ333	PowerPlex® Fusion					
	15,15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21,21	8,9
	7,18		7,9.3	8,11	15,16	
2QVL9B	Identifiler® Plus					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
			7,9.3	8,11	15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

3DN26N	GlobalFiler™						
		15	21,25	11,15	15,18	10,12	
	3sp		9,10	13,15		13,14	17,20
		12,14	11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21	
			14,16	7,9.3	8,11	15,16	
3GHYRU	Identifiler® Plus						
			21,25		15,18	10,12	
	3sp		9,10	13,15			
		12,14	11,11		11,14	14,15	
		29,30		X,Y	10,13	21,21	
				7,9.3	8,11	15,16	
3N384X	PowerPlex® 21						
		15,15	21,25		15,18	10,12	
	3sp		9,10	13,15		17,20	
		12,14	11,11		11,14	14,15	
		29,30		X,Y	10,13	21,21	8,9
		7,18		7,9.3	8,11	15,16	
3XNDUA	Identifiler® Plus						
			21,25		15,18	10,12	
	3sp		9,10	13,15			
		12,14	11,11		11,14	14,15	
		29,30		X,Y	10,13	21,21	
				7,9.3	8,11	15,16	
47GV3Q	PowerPlex® 16						
				15,18		10,12	
	3sp		9,10	13,15			
		12,14	11		11,14		
		29,30		X,Y	10,13	21	8,9
		7,18		7,9.3	8,11	15,16	
4EWW77	PowerPlex® 16						
				15,18		10,12	
	3sp		9,10	13,15			
		12,14	11		11,14		
		29,30		X,Y	10,13	21	8,9
		7,18		7,9.3	8,11	15,16	
4LC8J8	PowerPlex® 16						
				15,18		10,12	
	3sp		9,10	13,15			
		12,14	11		11,14		
		29,30		X,Y	10,13	21	8,9
		7,18		7,9.3	8,11	15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

4X6ZK3	PowerPlex® Fusion					
	15,15	21,25	11,15	15,18		10,12
	3sp	9,10	13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21,21	8,9
	7,18		7,9.3	8,11	15,16	
4ZC784	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
	3sp	9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,12,13	21	
	14,16	7,9.3	8,11	15,16		
696NEK	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
	3sp	9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
	14,16	7,9.3	8,11	15,16		
6FM6XM	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
	3sp	9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
	14,16	7,9.3	8,11	15,16		
6KTTKW	ESI17					
	3sp					
6RAJN3	PowerPlex® 21					
	15	21,25		15,18		10,12
	3sp	12,18	9,10	13,15		17,20
	12,14	11		11,14	14,15	
	29,30		X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	
76DA2U	Identifiler® Plus					
	-	21,25	-	15,18	-	10,12
	3sp	9,10	13,15	-	-	-
	12,14	11	-	11,14	14,15	-
	29,30	-	X,Y	10,13	21	-
	-	-	7,9.3	8,11	15,16	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

7ELLHY	GlobalFiler™						
		15	21,25	11,15	15,18	10,12	
	3sp		9,10	13,15		13,14	17,20
		12,14	11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21	
			14,16	7,9.3	8,11	15,16	
7FXFZJ	GlobalFiler™						
		15	21,25	11,15	15,18	10,12	
	3sp		9,10	13,15		13,14	17,20
		12,14	11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21	
			14,16	7,9.3	8,11	15,16	
7G9DD2	GlobalFiler™						
		15,15	21,25	11,15	15,18	10,12	
	3sp		9,10	13,15		13,14	17,20
		12,14	11,11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21,21	
			14,16	7,9.3	8,11	15,16	
7LL4VP	PowerPlex® Fusion						
		15	21,25	11,15	15,18	10,12	
	3sp		9,10	13,15		13,14	17,20
		12,14	11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21	8,9
		7,18		7,9.3	8,11	15,16	
7NRJ72	Identifiler® Plus, PowerPlex® 21						
		15,15	21,25		15,18	10,12	
	3sp		9,10	13,15		17,20	
		12,14	11,11		11,14	14,15	
		29,30		X,Y	10,13	21,21	8,9
		7,18		7,9.3	8,11	15,16	
7UED4Y	PowerPlex® Fusion						
		15,15	21,25	11,15	15,18	10,12	
	3sp		9,10	13,15		13,14	17,20
		12,14	11,11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21,21	8,9
		7,18		7,9.3	8,11	15,16	
7Z7JYP	PowerPlex® Fusion						
		15	21,25	11,15	15,18	10,12	
	3sp		9,10	13,15		13,14	17,20
		12,14	11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21	8,9
		7,18		7,9.3	8,11	15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

833NTK	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
		14,16	7,9.3	8,11	15,16	
8QBTYZ	PowerPlex® 16					
				15,18		10,12
3sp		9,10	13,15			
	12,14	11		11,14		
	29,30		X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	
8TAGWB	PowerPlex® Fusion					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21,21	8,9
	7,18		7,9.3	8,11	15,16	
8WD826	Identifiler® Plus					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
			7,9.3	8,11	15,16	
969PBX	PowerPlex® 16					
				15,18		10,12
3sp		9,10	13,15			
	12,14	11		11,14		
	29,30		X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	
9BCD7J	PowerPlex® 16, GlobalFiler™					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	8,9
	7,18	14,16	7,9.3	8,11	15,16	
9GJ2JK	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,[12],13	21	
		14,16	7,9.3	8,11	15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

9M8Q4V	PowerPlex® Fusion 5C						
		15	21,25	11,14,15	15,18	10,12	
	3sp		9,10	13,14,15		13,14	17,20,22
		12,14	11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21	8,9,13
		7,18		7,9.3	8,11	15,16	
9UN3GV	PowerPlex® ESI 17 PRO						
		15,15	21,25	11,15	15,18		
	3sp			13,15		13,14	17,20
			11,11		11,14	14,15	
		29,30	11,16	X,Y		21,21	
			14,16	7,9.3		15,16	
ABRWNV	Identifiler® Plus						
			21,25		15,18	10,12	
	3sp		9,10	13,15			
		12,14	11		11,14	14,15	
		29,30		X,Y	10,13	21	
				7,9.3	8,11	15,16	
ACBQGJ	GlobalFiler™						
		15	21,25	11,15	15,18	10,12	
	3sp		9,10	13,15		13,14	17,20
		12,14	11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21	
			14,16	7,9.3	8,11	15,16	
AGHJ32	Identifiler® Plus						
			21,25		15,18	10,12	
	3sp		9,10	13,15			
		12,14	11,11		11,14	14,15	
		29,30		X,Y	10,13	21,21	
				7,9.3	8,11	15,16	
AQ3X3X	Identifiler® Plus						
			21,25		15,18	10,12	
	3sp		9,10	13,15			
		12,14	11,11		11,14	14,15	
		29,30		X,Y	10,13	21,21	
				7,9.3	8,11	15,16	
B89JZD	PowerPlex® Fusion						
		15,15	21,25	11,15	15,18	10,12	
	3sp		9,10	13,15		13,14	17,20
		12,14	11,11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21,21	8,9
		7,18		7,9.3	8,11	15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

BMN9NF	GlobalFiler™					
		14,15,Q	20,21,24,25,Q	11,15,Q	14,15,17,18,Q	9,10,11,12,Q
	3sp		9,10,Q	12,13,14,15,Q		12,13,14,Q
		11,12,13,14,Q	10,11,Q		10,11,13,14,Q	14,15,Q
		28,29,30,Q	11,15,16,Q	X,Y	9,10,12,13,Q	20,21,Q
		13,14,15,16,17,Q	7,9.3,Q	8,11,Q	14,15,16,Q	
BP8MRF	GlobalFiler™					
		15	21,25	11,15	15,18	10,12
	3sp		9,10	13,15		13,14
		12,14	11		11,14	14,15
		29,30	11,16	X,Y	10,13	21
		14,16	7,9.3	8,11	15,16	
BT9HNC	PowerPlex® Fusion 5C					
		15,15	21,25	11,15	15,18	10,12
	3sp		9,10	13,15		13,14
		12,14	11,11		11,14	14,15
		29,30	11,16	X,Y	10,13	21,21
	7,18		7,9.3	8,11	15,16	8,9
BUKAKZ	PowerPlex® 16					
					15,18	10,12
	3sp		9,10	13,15		
		12,14	11		11,14	
		29,30		X,Y	10,13	21
	7,18		7,9.3	8,11	15,16	8,9
C2YHGV						
			21,25		15,18	10,12
	3sp		9,10	13,15		
		12,14	11,11		11,14	14,15
		29,30		X,Y	10,13	21,21
			7,9.3	8,11	15,16	
C8ZWZB	PowerPlex® Fusion					
		15,15	21,25	11,15	15,18	10,12
	3sp		9,10	13,15		13,14
		12,14	11,11		11,14	14,15
		29,30	11,16	X,Y	10,13	21,21
	7,18		7,9.3	8,11	15,16	8,9
CAQZUH	Identifiler® Plus					
			21,25		15,18	10,12
	3sp		9,10	13,15		
		12,14	11,11		11,14	14,15
		29,30		X,Y	10,13	21,21
			7,9.3	8,11	15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

CDAXJU	PowerPlex® FUSION					
		15,15	21,25	11,15	15,18	10,12
	3sp	9,10		13,15	13,14	17,20
		12,14	11,11		11,14	14,15
		29,30	11,16	X,Y	10,13	21,21
		7,18		7,9.3	8,11	15,16
CLJLXR	PowerPlex® Fusion					
		15	21,25	11,15	15,18	10,12
	3sp	9,10		13,15	13,14	17,20
		12,14	11		11,14	14,15
		29,30	11,16	X,Y	10,13	21
		7,18		7,9.3	8,11	15,16
CLM644	PowerPlex® Fusion					
		15,15	21,25	11,15	15,18	10,12
	3sp	9,10		13,15	13,14	17,20
		12,14	11,11		11,14	14,15
		29,30	11,16	X,Y	10,13	21,21
		7,18		7,9.3	8,11	15,16
CMW3GL	Identifiler® Plus					
			21,25		15,18	10,12
	3sp	9,10		13,15		
		12,14	11,11		11,14	14,15
		29,30		X,Y	10,13	21,21
				7,9.3	8,11	15,16
CYABWX	NGM					
		15,15	21,25	11,15	15,18	
	3sp			13,15	13,14	17,20
			11,11		11,14	14,15
		29,30	11,16	X,Y	10,13	21,21
				7,9.3		15,16
D6RYBZ	PowerPlex® Fusion 5C					
		15,15	21,25	11,15	15,18	10,12
	3sp	9,10		13,15	13,14	17,20
		12,14	11,11		11,14	14,15
		29,30	11,16	X,Y	10,13	21,21
		7,18		7,9.3	8,11	15,16
DA7GNB	PowerPlex® Fusion					
		15,15	21,25	11,15	15,18	10,12
	3sp	9,10		13,15	13,14	17,20
		12,14	11,11		11,14	14,15
		29,30	11,16	X,Y	10,13	21,21
		7,18		7,9.3	8,11	15,16

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

DAMXGJ	Identifiler® Plus					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
			7,9.3	8,11	15,16	
DEYJUW	Identifiler®					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11		11,14	14,15	
	29,30		X,Y	10,13	21	
			7,9.3	8,11	15,16	
DGMDBX	PowerPlex® 16					
				15,18		10,12
3sp		9,10	13,15			
	12,14	11		11,14		
	29,30		X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	
DMUNLC	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
		14,16	7,9.3	8,11	15,16	
DTKYXV	Identifiler® Plus					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11		11,14	14,15	
	29,30		X,Y	10,13	21	
			7,9.3	8,11	15,16	
DXRL9C	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,(12),13	21	
		14,16	7,9.3	8,11	15,16	
DZJKKP	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
		14,16	7,9.3	8,11	15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

ECAWCT	Identifiler® Plus					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
			7,9.3	8,11	15,16	
ECRKW9	Identifiler® Plus					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11		11,14	14,15	
	29,30		X,Y	10,13	21	
			7,9.3	8,11	15,16	
EG7AKC	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
		14,16	7,9.3	8,11	15,16	
F48879	Identifiler® Plus					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11		11,14	14,15	
	29,30		X,Y	10,13	21	
			7,9.3	8,11	15,16	
F7XBYP	PowerPlex®					
	15,15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21,21	8,9
	7,18		7,9.3	8,11	15,16	
FDLQWY	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
		14,16	7,9.3	8,11	15,16	
FHC6EE	PowerPlex® ESI Fast 16					
	15,15	21,25	11,15	15,18		
3sp			13,15		13,14	17,20
		11,11		11,14	14,15	
	29,30	11,16	X,Y		21,21	
			7,9.3		15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

FX6TRY	PowerPlex® Fusion						
		15,15	21,25	11,15	15,18	10,12	
	3sp	9,10		13,15	13,14	17,20	
		12,14	11,11		11,14	14,15	
		29,30	11,16	X,Y	10,[12],13	21,21	8,9
	7,18		7,9.3	8,11	15,16		
G3EL4A	GlobalFiler™						
		15	21,25	11,15	15,18	10,12	
	3sp	9,10		13,15	13,14	17,20	
		12,14	11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21	
		14,16	7,9.3	8,11	15,16		
G4NHK8	GlobalFiler™						
		15	21,25	11,15	15,18	10,12	
	3sp	9,10		13,15	13,14	17,20	
		12,14	11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21	
		14,16	7,9.3	8,11	15,16		
GJEK2B	GlobalFiler™						
		15	21,25	11,15	15,18	10,12	
	3sp	9,10		13,15	13,14	17,20	
		12,14	11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21	
		14,16	7,9.3	8,11	15,16		
GKWCCG	PowerPlex® Fusion						
		15	21,25	11,15	15,18	10,12	
	3sp	9,10		13,15	13,14	17,20	
		12,14	11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16		
GNWKJC	PowerPlex® 16						
				15,18		10,12	
	3sp	9,10		13,15			
		12,14	11		11,14		
		29,30		X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16		
GP6ZPH	ESI-17						
		15,15	21,25	11,15	15,18		
	3sp	13,15				13,14	17,20
			11,11		11,14	14,15	
		29,30	11,16	X,Y		21,21	
		14,16,[29.2]	7,9.3		15,16		

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

GVUEEP	PowerPlex® FUSION					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	
H2HAYU	Identifiler® Plus					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
			7,9.3	8,11	15,16	
H3A9DR	PowerPlex® 16					
				15,18		10,12
3sp		9,10	13,15			
	12,14	11		11,14		
	29,30		X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	
H78YDC	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
		14,16	7,9.3	8,11	15,16	
HE3YR6	PowerPlex® Fusion					
	15,15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21,21	8,9
	7,18		7,9.3	8,11	15,16	
HEHBCV	Identifiler® Plus					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
			7,9.3	8,11	15,16	
HKPMMA	NGM SElect					
	15,15	21,25	11,15	15,18		
3sp			13,15		13,14	17,20
		11,11		11,14	14,15	
	29,30	11,16	X,Y		21,21	
		14,16	7,9.3		15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

HQZQNA	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
		14,16	7,9.3	8,11	15,16	
HTP3GN	PowerPlex® 16					
				15,18		10,12
3sp		9,10	13,15			
	12,14	11		11,14		
	29,30		X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	
HXFG2P	Identifiler® Plus					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
			7,9.3	8,11	15,16	
HYPNZB	PowerPlex® 16, GlobalFiler™					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	8,9
	7,18	14,16	7,9.3	8,11	15,16	
JLEFMZ	Identifiler®					
	-	21,25	-	15,18	-	10,12
3sp		9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
			7,9.3	8,11	15,16	
JZ93TR	Identifiler® Plus					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
			7,9.3	8,11	15,16	
JZZTBE	PowerPlex® Fusion					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

K7MQLM	PowerPlex® 16					
				15,18		10,12
3sp	9,10		13,15			
	12,14	11		11,14		
	29,30		X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	
KCTNUR	Identifiler® Plus					
		21,25		15,18		10,12
3sp	9,10		13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
			7,9.3	8,11	15,16	
KMT28L	PowerPlex® Fusion					
	15,15	21,25	11,15	15,18		10,12
3sp	9,10		13,15		13,14 17,20	
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	8,9
	7,18		7,9.3	8,11	15,16	
KX4TAL	PowerPlex® Fusion					
	15	21,25	11,15	15,18	NT	10,12
3sp	NT	9,10	13,15	NT	13,14	17,20
	12,14	11	NT	11,14	14,15 NT	
	29,30		X,Y	10,13	21	8,9
	7,18	NT	7,9.3	8,11	15,16	
LA4HAV	Identifiler® Plus, PowerPlex® Fusion					
	15,15	21,25	11,15	15,18		10,12
3sp	9,10		13,15		13,14 17,20	
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,(12),13	21,21	8,9
	17,18		7,9.3	8,11	15,16	
LD2YMP	PowerPlex® 16					
				15,18		10,12
3sp	9,10		13,15			
	12,14	11		11,14		
	29,30		X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	
LEVQCF	Identifiler® Plus					
	-	21,25	-	15,18	-	10,12
3sp	-	9,10	13,15	-	-	-
	12,14	11	-	11,14	14,15 -	
	29,30		X,Y	10,13	21	-
	-	-	7,9.3	8,11	15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

LMRJTM	PowerPlex® 16					
3sp		9,10	13,15	15,18		10,12
	12,14	11		11,14		
	29,30		X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	
LPVCML	PowerPlex® 16					
3sp		9,10	13,15	15,18		10,12
	12,14	11		11,14		
	29,30		X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	
LULTTK	PowerPlex® Fusion					
3sp	15,15	21,25	11,15	15,18		10,12
		9,10	13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21,21	8,9
	7,18		7,9.3	8,11	15,16	
M47KRG	Identifiler® Plus					
3sp		21,25		15,18		10,12
		9,10	13,15			
	12,14	11		11,14	14,15	
	29,30		X,Y	10,13	21	
			7,9.3	8,11	15,16	
M6XJVV	PowerPlex® Fusion					
3sp	15	21,25	11,15	15,18		10,12
		9,10	13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21,21	8,9
	7,18		7,9.3	8,11	15,16	
MC3GG6	Identifiler® Plus					
3sp		21,25		15,18		10,12
		9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
			7,9.3	8,11	15,16	
MPA9JD	DNA17					
3sp	15,15.3	17,21,22,25	11,13,14,15	15,17,18		
			13,15		13,14,15,[19]	17,17.3,20,22
		8,11,13		11,14	14,15,16	
	29,30	11,14,15,16	X,Y		[18],21,22	
		14,16,28.2,29.2	6,7,9,9.3		15,16	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

NCDGCE	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
	3sp	9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
		14,16	7,9.3	8,11	15,16	
NKQNVN	Identifiler®					
		21,25		15,18		10,12
	3sp	9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
		7,9.3	8,11	15,16		
NKU3BA	Identifiler® Plus					
		21,25		15,18		10,12
	3sp	9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
		7,9.3	8,11	15,16		
P8T9RL	Identifiler® Plus					
		21,25		15,18		10,12
	3sp	9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
		7,9.3	8,11	15,16		
PG3F3E	Identifiler® Plus					
		21,25		15,18		10,12
	3sp	9,10	13,15			
	12,14	11		11,14	14,15	
	29,30		X,Y	10,13	21	
		7,9.3	8,11	15,16		
PG9NEM	Identifiler® Plus					
		21,25		15,18		10,12
	3sp	9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
		7,9.3	8,11	15,16		
PTHGPZ	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
	3sp	9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
		14,16	7,9.3	8,11	15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

PVL4CC	Identifiler® Plus					
	-	21,25	-	15,18	-	10,12
3sp	-	9,10	13,15	-	-	-
	12,14	11	-	11,14	14,15	-
	29,30	-	X,Y	10,13	21	-
	-	-	7,9.3	8,11	15,16	
Q8CCB7	Identifiler® Plus					
	-	21,25	-	15,18	-	10,12
3sp	-	9,10	13,15	-	-	-
	12,14	11,11	-	11,14	14,15	-
	29,30	-	X,Y	10,[12],13	21,21	-
	-	-	7,9.3	8,11	15,16	
QFQW3H	GlobalFiler™					
	15	21,25	11,15	15,17,18	-	10,12
3sp	-	9,10	13,15	-	13,14	17,20
	12,14	11	-	11,14	14,15	-
	29,30	11,16	X,Y	10,12,13	21	-
	-	14,16	7,9.3	8,11	15,16	
QVJNNJ	PowerPlex® 16					
	-	-	-	15,18	-	10,12
3sp	-	9,10	13,15	-	-	-
	12,14	11	-	11,14	-	-
	29,30	-	X,Y	10,13	21	8,9
	7,18	-	7,9.3	8,11	15,16	
QWDGCA	Identifiler® Plus					
	-	21,25	-	15,18	-	10,12
3sp	-	9,10	13,15	-	-	-
	12,14	11,11	-	11,14	14,15	-
	29,30	-	X,Y	10,13	21,21	-
	-	-	7,9.3	8,11	15,16	
QYK2ZB	Identifiler® Plus					
	-	21,25	-	15,18	-	10,12
3sp	-	9,10	13,15	-	-	-
	12,14	11,11	-	11,14	14,15	-
	29,30	-	X,Y	10,13	21,21	-
	-	-	7,9.3	8,11	15,16	
R26698	PowerPlex® ESI 17 FAST					
	15,15	21,25	11,15	15,18	-	-
3sp	-	-	13,15	-	13,14	17,20
	-	11,11	-	11,14	14,15	-
	29,30	11,16	X,Y	-	21,21	-
	-	14,16	7,9.3	-	15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

R62URZ	GlobalFiler™						
		15	21,25	11,15	15,18	10,12	
	3sp		9,10	13,15		13,14	17,20
		12,14	11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21	
			14,16	7,9.3	8,11	15,16	
R9N9KG	Identifiler® Plus						
			21,25		15,18	10,12	
	3sp		9,10	13,15			
		12,14	11		11,14	14,15	
		29,30		X,Y	10,13	21	
				7,9.3	8,11	15,16	
RLAQ9E	PowerPlex® Fusion						
		15,15	21,25	11,15	15,18	10,12	
	3sp		9,10	13,15		13,14	17,20
		12,14	11,11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21,21	8,9
		7,18		7,9.3	8,11	15,16	
RN3EVF	PowerPlex® Fusion 6C						
		15	21,25	11,15	15,18	10,12	
	3sp		9,10	13,15		13,14	17,20
		12,14	11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21	8,9
		7,18	14,16	7,9.3	8,11	15,16	
RYYK8	PowerPlex® Fusion						
		15	21,25	11,15	15,18	10,12	
	3sp		9,10	13,15		13,14	17,20
		12,14	11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21	8,9
		7,18		7,9.3	8,11	15,16	
T8NRH4	PowerPlex® Fusion						
		15	21,25	11,15	15,18	10,12	
	3sp		9,10	13,15		13,14	17,20
		12,14	11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21	8,9
		7,18		7,9.3	8,11	15,16	
TCHP8U	PowerPlex® Fusion 5C						
		15,15	21,25	11,15	15,18	10,12	
	3sp		9,10	13,15		13,14	17,20
		12,14	11,11		11,14	14,15	
		29,30	11,16	X,Y	10,13	21,21	8,9
		7,18		7,9.3	8,11	15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

TFG3QD	PowerPlex®					
	15,15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21,21	8,9
	7,18		7,9.3	8,11	15,16	
TFZPPV	PowerPlex® Fusion					
	15,15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21,21	8,9
	7,18		7,9.3	8,11	15,16	
TKEHLF	PowerPlex® 16					
				15,18		10,12
3sp		9,10	13,15			
	12,14	11		11,14		
	29,30		X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	
TM6G77	Identifiler® Plus					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
			7,9.3	8,11	15,16	
TMVPQJ	Identifiler® Plus					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
			7,9.3	8,11	15,16	
U3TA7X	GlobalFiler™, MiniFiler					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
		14,16	7,9.3	8,11	15,16	
U62DUU	PowerPlex® Fusion 5C					
	15,15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21,21	8,9
	7,18		7,9.3	8,11	15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

UDW79F	PowerPlex® 16					
				15,18		10,12
3sp	9,10		13,15			
	12,14	11		11,14		
	29,30		X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	
UH6ULG	PowerPlex® 16					
				15,18		10,12
3sp	9,10		13,15			
	12,14	11		11,14		
	29,30		X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	
UPTBJZ	GlobalFiler™					
	15,15	21,25	11,15	15,18		10,12
3sp	9,10		13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
		14,16	7,9.3	8,11	15,16	
UTKQH8	Identifiler® Plus					
	-	21,25	-	15,18	-	10,12
3sp	9,10		13,15		-	-
	12,14	11	-	11,14	14,15	
	29,30		X,Y	10,13	21	-
	-	-	7,9.3	8,11	15,16	
UVAX36	PowerPlex® Fusion					
	15	21,25	11,15	15,18		10,12
3sp	9,10		13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30		X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	
UWPAPF	PowerPlex® 16					
				15,18		10,12
3sp	9,10		13,15			
	12,14	11		11,14		
	29,30		X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	
VA37Y9	PowerPlex® Fusion					
	15,15	21,25	11,15	15,18		10,12
3sp	9,10		13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	8,9
	7,18		7,9.3	8,11	15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

VAMQ72	Identifiler® Plus					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
			7,9.3	8,11	15,16	
VCRDNC	GlobalFiler™					
	15,15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21,21	
		14,16	7,9.3	8,11	15,16	
VHJMT4	PowerPlex® ESI16					
	15	21,25	11,15	15,18		
3sp			13,15		13,14	17,20
		11		11,14	14,15	
	29,30	11,16	X,Y		21	
			7,9.3		15,16	
VP2URW	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
		14,16	7,9.3	8,11	15,16	
VRTXBV	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
		14,16	7,9.3	8,11	15,16	
W2RZ8C	GlobalFiler™					
	15,15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21,21	
		14,16	7,9.3	8,11	15,16	
WC9UEY	PowerPlex® Fusion					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

WEE84D	PowerPlex® 16					
				15,18		10,12
3sp		9,10	13,15			
	12,14	11		11,14		
	29,30		X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	
WKJBLY	Identifiler® Plus					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
			7,9.3	8,11	15,16	
WM9FMJ	Qiagen Investigator 24 Plex QS					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
		14,16	7,9.3	8,11	15,16	
WN38CA	PowerPlex® fusion					
	15,15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21,21	8,9
	7,18		7,9.3	8,11	15,16	
WQREW8	PowerPlex® Fusion					
	15,15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,(13),14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,(12),13	21,21	8,9
	7,18		7,9.3	8,11	15,16	
WRLBBT	GlobalFiler™					
	15,15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21,21	
		14,16	7,9.3	8,11	15,16	
WVKJPB	PowerPlex® Fusion					
	15,15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,[12],13	21,21	8,9
	7,18		7,9.3	8,11	15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

X8TRVZ	GlobalFiler™					
	15,15	21,25	11,15	15,18		10,12
	3sp	9,10	13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21,21	
	14,16	7,9.3	8,11	15,16		
X9HALZ	PowerPlex® Fusion					
	15	21,25	11,15	15,18		10,12
	3sp	9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	8,9
	7,18	7,9.3	8,11	15,16		
XE8ML3	Identifiler® Plus					
		21,25		15,18		10,12
	3sp	9,10	13,15			
	12,14	11		11,14	14,15	
	29,30		X,Y	10,13	21	
		7,9.3	8,11	15,16		
XNZTMG	GlobalFiler™					
	15,15	21,25	11,15	15,18		10,12
	3sp	9,10	13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21,21	
	14,16	7,9.3	8,11	15,16		
XRH9YU	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
	3sp	9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
	14,16	7,9.3	8,11	15,16		
XTQCK6	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
	3sp	9,10	13,15		13,14	17,20
	12,[13],14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
	14,16	7,9.3	8,11	15,16		
XTTVQF	Identifiler® Plus					
		21,25		15,18		10,12
	3sp	9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
		7,9.3	8,11	15,16		

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

XU8CR2	Identifiler® Plus					
		21,25		15,18		10,12
	3sp	9,10	13,15			
		12,14	11,11	11,14	14,15	
		29,30	X,Y	10,13	21,21	
		7,9.3	8,11	15,16		
Y3A7BR	GlobalFiler™					
		21,25	11,15	15,18		10,12
	3sp	9,10	13,15		13,14	17,20
		12,14	11	11,14	14,15	
		29,30	11,16	X,Y	10,13	21
		14,16	7,9.3	8,11	15,16	
YBPPVQ	GlobalFiler™					
		21,25	11,15	15,18		10,12
	3sp	9,10	13,15		13,14	17,20
		12,14	11	11,14	14,15	
		29,30	11,16	X,Y	10,13	21
		14,16	7,9.3	8,11	15,16	
YC2E3A	PowerPlex® 16					
				15,18		10,12
	3sp	9,10	13,15			
		12,14	11	11,14		
		29,30	X,Y	10,13	21	8,9
	7,18	7,9.3	8,11	15,16		
YKT2PZ	PowerPlex® Fusion					
		21,25	11,15	15,18		10,12
	3sp	9,10	13,15		13,14	17,20
		12,14	11	11,14	14,15	
		29,30	11,16	X,Y	10,13	21
	7,18	7,9.3	8,11	15,16	8,9	
YPNQ8R	GlobalFiler™					
		21,25	11,15	15,18		10,12
	3sp	9,10	13,15		13,14	17,20
		12,14	11,11	11,14	14,15	
		29,30	11,16	X,Y	10,12,13	21,21
		14,16	7,9.3	8,11	15,16	
YQFPK6	GlobalFiler™					
		21,25	11,15	15,18		10,12
	3sp	9,10	13,15		13,14	17,20
		12,14	11	11,14	14,15	
		29,30	11,16	X,Y	10,13	21
		14,16	7,9.3	8,11	15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

Z9E8AZ	Identifiler® Plus					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11		11,14	14,15	
	29,30		X,Y	10,13	21	
			7,9.3	8,11	15,16	
Z9WD9Q	GlobalFiler™					
	15,15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21,21	
		14,16	7,9.3	8,11	15,16	
ZBLKTM	PowerPlex® Fusion					
	15,15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21,21	8,9
	7,18		7,9.3	8,11	15,16	
ZLD9CH	Identifiler®					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
			7,9.3	8,11	15,16	
ZMXRUU	PowerPlex® 16					
				15,18		10,12
3sp		9,10	13,15			
	12,14	11		11,14		
	29,30		X,Y	10,13	21	8,9
	7,18		7,9.3	8,11	15,16	
ZNRLGQ	GlobalFiler™					
	15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21	
		14,16	7,9.3	8,11	15,16	
ZUBZVV	Identifiler® Plus					
		21,25		15,18		10,12
3sp		9,10	13,15			
	12,14	11,11		11,14	14,15	
	29,30		X,Y	10,13	21,21	
			7,9.3	8,11	15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 3sp - STR Results

ZZJ674	PowerPlex® FUSION					
	15,15	21,25	11,15	15,18		10,12
3sp		9,10	13,15		13,14	17,20
	12,14	11,11		11,14	14,15	
	29,30	11,16	X,Y	10,13	21,21	8,9
	7,18		7,9.3	8,11	15,16	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4 - STR Results

6L8FX6	PowerPlex® Fusion, AmpFLSTR NGM					
	14,15,15.3,17.3	17,19,20,22	11.3,14	14,16,17		9,10,12
4		10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12		13,14,19	12,15,16	
	30,33.2	14,16	X,Y	11	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
8QYECQ	PowerPlex® 21					
	14,15,15.3,17.3	17,19,20,22		14,15,16,17		9,10,12
4		9,10,11	10,14,15			17.3,19,22
	10,11,13	8,12,13		13,14,19		12,15,16
	29,30,33.2		X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
YU6YVR	Identifiler® Plus					
		17,19,20,22		14,15,16,17		9,10,12
4		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

26DB8D	Identifiler® Plus	17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
		10,11,13	8,12,13	13,14,19	12,15,16	
		29,30,33.2	X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
27MJB6	PowerPlex® 16			14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
		10,11,13	8,12,13	13,14,19		
		29,30,33.2	X,Y	10,11,12	20,22,24	13
		7,10,14	6,7,9,9.3	8,11	15,16,18	
2B3XWQ	GlobalFiler™	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17	9,10,12
4e			9,10,11	10,14,15		13,14,15
		10,11,13	8,12,13	13,14,19	12,15,16	
		29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
2DB77B	Identifiler® Plus	17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
		10,11,13	8,12,13	13,14,19	12,15,16	
		29,30,33.2	X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
2G72MP	GlobalFiler™	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17	9,10,12
4e			9,10,11	10,14,15		13,14,15
		10,11,13	8,12,13	13,14,19	12,15,16	
		29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
2NQ333	PowerPlex® Fusion	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17	9,10,12
4e			9,10,11	10,14,15		13,14,15
		10,11,13	8,12,13	13,14,19	12,15,16	
		29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24
		7,10,14	6,7,9,9.3	8,11	15,16,18	
2QVL9B	Identifiler® Plus	17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
		10,11,13	8,12,13	13,14,19	12,15,16	
		29,30,33.2	X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

3DN26N	GlobalFiler™	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17	9,10,12
4e		10,11,13	8,12,13	10,14,15	13,14,15	17.3,19,22
		29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24
			18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18
3GHYRU	Identifiler® Plus		17,19,20,22		14,15,16,17	9,10,12
4e		10,11,13	8,12,13	10,14,15	13,14,19	12,15,16
		29,30,33.2		X,Y	10,11,12	20,22,24
				6,7,9,9.3	8,11	15,16,18
3N384X	PowerPlex® 21	14,15,15.3,17.3	17,19,20,22		14,15,16,17	9,10,12
4e		10,11,13	8,12,13	10,14,15	13,14,19	12,15,16
		29,30,33.2		X,Y	10,11,12	20,22,24
		7,10,14		6,7,9,9.3	8,11	15,16,18
3XNDUA	Identifiler® Plus		17,19,20,22		14,15,16,17	9,10,12
4e		10,11,13	8,12,13	10,14,15	13,14,19	12,15,16
		29,30,33.2		X,Y	10,11,12	20,22,24
				6,7,9,9.3	8,11	15,16,18
47GV3Q	PowerPlex® 16				14,15,16,17	9,10,12
4e		10,11,13	8,12,13	10,14,15	13,14,19	
		29,30,33.2		X,Y	10,11,12	20,22,24
		7,10,14		6,7,9,9.3	8,11	15,16,18
4EWW77	PowerPlex® 16				14,15,16,17	9,10,12
4e		10,11,13	8,12,13	10,14,15	13,14,19	
		29,30,33.2		X,Y	10,11,12	20,22,24
		7,10,14		6,7,9,9.3	8,11	15,16,18
4LC8J8	PowerPlex® 16				14,15,16,17	9,10,12
4e		10,11,13	8,12,13	10,14,15	13,14,19	
		29,30,33.2		X,Y	10,11,12	20,22,24
		7,10,14		6,7,9,9.3	8,11	15,16,18

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

4X6ZK3	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
4ZC784	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	28,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
696NEK	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
6FM6XM	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
6KTTKW	ESI17					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		
4e			10,14,15		13,14,15	17.3,19,22
		8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y		20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3		15,16,18	
6RAJN3	PowerPlex® 21					
	15,15.3	17,22		15,17		10,12
4e	12,13	9,10	14,15			17.3,22
	11,13	8,13		14	16	
	29,30		X,X	10,12	20,22	13
	10		6,9	8	16,18	
76DA2U	Identifiler® Plus					
	-	17,19,20,22	-	14,15,16,17	-	9,10,12
4e	-	9,10,11	10,14,15	-	-	-
	10,11,13	8,12,13	-	13,14,19	12,15,16	-
	29,30,33.2	-	X,Y	10,11,12	20,22,24	-
	-	-	6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

7ELLHY	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
7FXFZJ	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
7G9DD2	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
7LL4VP	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
7NRJ72	Identifiler® Plus, PowerPlex® 21					
	14,15,15.3,17.3	17,19,20,22		14,15,16,17		9,10,12
4e	12,13,19	9,10,11	10,14,15			17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	13,13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
7UED4Y	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
7Z7JYP	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

833NTK	GlobalFiler™					
	14,15,15.3,17.3	[17],19,20,[22]	[11.3,13],14	14,15,16,17		[9,10],12
4e		[9],10,[11]	[10],14,[15]		[13,14],15	[17.3],19,22
	10,11,[13]	[8],12,[13]		[13],14,[19]	12,15,16	
	[29],30,[33.2]	[14,15],16	X,Y	[10],11,[12]	20,[22],24	
		18,22.2,28.2,29.2	6,7,9,[9.3]	8,[11]	15,[16],18	
8QBTYZ	PowerPlex® 16					
				14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19		
	29,30,33.2		X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
8TAGWB	PowerPlex® Fusion					
	[14],15,15.3,[17.3]	17,[19],[20],22	[11.3],13,14	[14],15,[16],17		[9],10,12
4e		9,10,[11]	[10],14,15		13,[14],15	17.3,[19],22
	[10],11,13	8,[12],13		[13],14,[19]	[12],16	
	29,30,[33.2]	14,15,[16]	X,Y	10,[11],12	20,22,[24]	13,13
	[7],10		6,[7],9,[9.3]	8,[11]	[15],16,18	
8WD826	Identifiler® Plus					
		17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
969PBX	PowerPlex® 16					
				14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19		
	29,30,33.2		X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
9BCD7J	PowerPlex® 16, GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	[7],10,[14]	18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
9GJ2JK	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

9M8Q4V	PowerPlex® Fusion 5C					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
9UN3GV	PowerPlex® ESI 17 PRO					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		
4e			10,14,15		13,14,15	17.3,19,22
		8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y		20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3		15,16,18	
ABRWNV	Identifiler® Plus					
		17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
ACBQGJ	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
AGHJ32	Identifiler® Plus					
		17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,8,[11]	15,16,18	
AQ3X3X	Identifiler® Plus					
		17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
B89JZD	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

BMN9NF	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
BP8MRF	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	Q,17.3,18,19,21,22
	10,11,13	8,12,13		13,14,19	Q,11,12,14,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	Q,8,11	Q,15,16,17,18	
BT9HNC	PowerPlex® Fusion 5C					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13,13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
BUKAKZ	PowerPlex® 16					
				14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19		
	29,30,33.2		X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
C2YHGV		17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
C8ZWZB	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
CAQZUH	Identifiler® Plus					
		17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

CDAXJU	PowerPlex® FUSION					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
CLJLXR	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
CLM644	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
CMW3GL	Identifiler® Plus					
		17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
CYABWX	NGM					
	15,15.3	17,22	13,14	15,17		
4e			14,15		13,15	17.3,22
		8,13		14,14	16,16	
	29,30	14,15	X,X		20,22	
			6,9		16,18	
D6RYBZ	PowerPlex® Fusion 5C					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
DA7GNB	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,31,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

DAMXGJ	Identifiler® Plus					
		17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
DEYJUW	Identifiler®					
		17,[19],[20],22		[14],15,[16],17		[9],10,12
4e		9,10	[10],14,15			
	[10],11,13	8,[12],13		[13],14	[12],[15],16	
	29,30,[33.2]		X,[Y]	10,[11],12	20,22,[24]	
			6,[7],9,[9.3]	8,[11]	[15],16,18	
DGMDBX	PowerPlex® 16					
				14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19		
	29,30,33.2		X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
DMUNLC	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
DTKYXV	Identifiler® Plus					
		17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
DXRL9C	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
DZJKKP	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

ECAWCT	Identifiler® Plus					
	17,19,20,22			14,15,16,17		9,10,12
4e	9,10,11		10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.3		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
ECRKW9	Identifiler® Plus					
	17,19,20,22			14,15,16,17		9,10,12
4e	9,10,11		10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
EG7AKC	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e	9,10,11		10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
	18,22.2,28.2,29.2		6,7,9,9.3	8,11	15,16,18	
F48879	Identifiler® Plus					
	17,19,20,22			14,15,16,17		9,10,12
4e	9,10,11		10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
F7XBYP	PowerPlex®					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e	9,10,11		10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
FDLQWY	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e	9,10,11		10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
	18,22.2,28.2,29.2		6,7,9,9.3	8,11	15,16,18	
FHC6EE	PowerPlex® ESI Fast 16					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		
4e			10,14,15		13,14,15	17.3,19,22
		8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y		20,22,24	
			6,7,9,9.3		15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

FX6TRY	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13,13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
G3EL4A	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
G4NHK8	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
GJEK2B	GlobalFiler™					
	[14],15,15.3,[17.3]	17,19,20,22	[11.3],13,14	14,[15],16,17		[9],[10],12
4e		[9],10,[11]	[10],14,[15]		[13],[14],15	17.3,[19],22
	[10],11,[13]	8,12,[13]		[13],14,[19]	[12],[15],16	
	[29],30,[33.2]	14,15,16	X,Y	[10],11,[12]	20,[22],[24]	
		18,22.2,28.2,29.2	6,[7],9,[9.3]	8,[11]	15,16,18	
GKWCCG	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
GNWKJC	PowerPlex® 16					
				14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19		
	29,30,33.2		X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
GP6ZPH	ESI-17					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		
4e			10,14,15		13,14,15	17.3,19,22
		8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y		20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3		15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

GVUEEP	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
H2HAYU	Identifiler® Plus					
		17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
H3A9DR	PowerPlex® 16					
				14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19		
	29,30,33.2		X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
H78YDC	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
HE3YR6	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13,13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
HEHBCV	Identifiler® Plus					
		17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
HKPMMA	PowerPlex® Y23					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		
4e			10,14,15		13,14,15	17.3,19,22
		8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y		20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3		15,16,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

HQZQNA	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
HTP3GN	PowerPlex® 16					
				14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19		
	29,30,33.2		X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
HXFG2P	Identifiler® Plus					
		17,19,20,22		INC		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	13
			6,7,9,9.3	8,11	INC	
HYPNZB	PowerPlex® 16, GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14	18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
JLEFMZ	Identifiler®					
	-	17,19,22	-	14,15,16,17	-	9,10,12
4e	-	9,10	10,14,15	-	-	-
	10,11,13	8,12,13	-	13,14	15,16	-
	29,30,33.2	-	X,Y	10,11,12	20,22,24	-
	-	-	6,7,9,9.3	8,8	15,16,18	
JZ93TR	Identifiler® Plus					
		17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
JZZTBE	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

K7MQLM	PowerPlex® 16					
				14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19		
	29,30,33.2		X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
KCTNUR	Identifiler® Plus					
		17,[19],[20],22		14,15,16,17		[9],10,12,[12]
4e		9,10,[10],[11]	[10],[14],14,15			
	[10],11,13	8,[12],[12],13		[13],14,14,[19]	[12],[15],16,16	
	29,30,[30],[33.2]		X,X,[X],[Y]	10,11,12	20,22,[24]	
			6,[7],9,[9.3]	8,8,[8],[11]	[15],16,18	
KMT28L	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
KX4TAL	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17	NT	9,10,12
4e	NT	9,10,11	10,14,15	NT	13,14,15	17.3,19,22
	10,11,13	8,12,13	NT	13,14,19	12,15,16	NT
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14	NT	6,7,9,9.3	8,11	15,16,18	
LA4HAV	Identifiler® Plus, PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
LD2YMP	PowerPlex® 16					
				14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19		
	29,30,33.2		X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
LEVQCF	Identifiler® Plus					
	-	17,19,20,22	-	14,15,16,17	-	9,10,12
4e	-	9,10,11	10,14,15	-	-	-
	10,11,13	8,12,13	-	13,14,19	12,15,16	-
	29,30,33.2	-	X,Y	10,11,12	20,22,24	-
	-	-	6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

LMRJTM	PowerPlex® 16					
				14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19		
	29,30,33.2		X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
LPVCM	PowerPlex® 16					
				14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19		
	29,30,33.2		X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
LULTK	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
M47KRG	Identifiler® Plus					
		17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
M6XJVV	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		[9],10,[11]	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	[14],[15],16	X,Y	10,11,12	20,[22],[24]	13,13
	7,10,14		6,7,9,9.3	8,[11]	15,16,18	
MC3GG6	Identifiler® Plus					
		17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
MPA9JD	DNA17					
4e						

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

NCDGCE	GlobalFiler™	[14],15,15.3,[17.3]	17,[19,20],22	[11.3],13,14	[14],15,[16],17	[9],10,12
	4e		9,10,[11]	[10],14,15		13,[14],15
		[10],11,13	8,[12],13		[13],14,[19]	[12,15],16
		29,30,[33.2]	14,15,16	X,[Y]	10,11,12	20,22,[24]
			[18,22.2],28.2,29.2	6,[7],9,[9.3]	8,[11]	[15],16,18
NKQNVN	Identifiler®		[17],19,20,[22]		14,[15],16,[17]	9,[10],12
	4e		[9],10,11	10,14,[15]		
		10,11,[13]	[8],12,12,[13]		13,14,19	12,15,16
		29,30,33.2		X,Y	[10],11,11,[12]	20,[22],24
				[6],7,[9],9.3	8,11	15,[16],18
NKU3BA	Identifiler® Plus		17,19,20,22		14,15,16,17	9,10,12
	4e		9,10,11	10,14,15		
		10,11,13	8,12,13		13,14,19	12,15,16
		29,30,33.2		X,Y	10,11,12	20,22,24
				6,7,9,9.3	8,11	15,16,18
P8T9RL	Identifiler® Plus		17,19,20,22		14,15,16,17	9,10,12
	4e		9,10,11	10,14,15		
		10,11,13	8,12,13		13,14,19	12,15,16
		29,30,33.2		X,Y	10,11,12	20,22,24
				6,7,9,9.3	8,11	15,16,18
PG3F3E	Identifiler® Plus		17,[19,20],22		[14],15,[16],17	[9],10,12
	4e		9,10,[11]	[10],14,15		
		[10],11,13	8,[12],13		[13],14,[19]	[12,15],16
		29,30,[33.2]		X,[Y]	10,[11],12	20,22,[24]
				6,[7],9,[9.3]	8,[11]	[15],16,18
PG9NEM	Identifiler® Plus		17,19,20,22		14,15,16,17	9,10,12
	4e		9,10,11	10,14,15		
		10,11,13	8,12,13		13,14,19	12,15,16
		29,30,33.2		X,Y	10,11,12	20,22,24
				6,7,9,9.3	8,11	15,16,18
PTHGPZ	GlobalFiler™	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17	9,10,12
	4e		9,10,11	10,14,15		13,14,15
		10,11,13	8,12,13		13,14,19	12,15,16
		29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24
			18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

PVL4CC	Identifiler® Plus					
	-	17,19,20,22	-	14,15,16,17	-	9,10,12
4e	-	9,10,11	10,14,15	-	-	-
	10,11,13	8,12,13	-	13,14,19	12,15,16	-
	29,30,33.2	-	X,Y	10,11,12	20,22,24	-
	-	-	6,7,9,9.3	8,11	15,16,18	
Q8CCB7	Identifiler® Plus					
	-	17,19,20,22	-	14,15,16,17	-	9,10,12
4e	-	9,10,11	10,14,15	-	-	-
	10,11,13	8,12,13	-	13,14,19	12,15,16	-
	29,30,33.2	-	X,Y	10,11,12	20,22,24	-
	-	-	6,7,9,9.3	8,11	15,16,18	
QFQW3H	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17	-	9,10,12
4e	-	9,10,11	10,14,15	-	13,14,15	17.3,19,22
	10,11,13	8,12,13	-	13,14,19	12,15,16	-
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	-
	-	18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
QVJNNJ	PowerPlex® 16					
	-	-	-	14,15,16,17	-	9,10,12
4e	-	9,10,11	10,14,15	-	-	-
	10,11,13	8,12,13	-	13,14,19	-	-
	29,30,33.2	-	X,Y	10,11,12	20,22,24	13
	7,10,14	-	6,7,9,9.3	8,11	15,16,18	
QWDGCA	Identifiler® Plus					
	-	[17],19,20,[22]	-	14,15,16,17	-	9,[10],12
4e	-	[9],10,11	10,14,[15]	-	-	-
	10,11,[13]	[8],12,[13]	-	13,14,19	12,15,16	-
	[29],30,[33.2]	-	X,Y	[10],11,[12]	20,[22],[24]	-
	-	-	[6],7,[9],9.3	8,[11]	15,[16],18	
QYK2ZB	Identifiler® Plus					
	-	17,19,20,22	-	14,15,16,17	-	9,10,12
4e	-	[9],10,[11]	[10],14,[15]	-	-	-
	10,11,13	[8],12,[13]	-	13,14,19	12,15,16	-
	29,30,33.2	-	X,Y	[10],11,[12]	20,[22],24	-
	-	-	6,7,9,9.3	8,[11]	15,[16],18	
R26698	PowerPlex® ESI 17 FAST					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17	-	-
4e	-	-	10,14,15	-	13,14,15	17.3,19,22
	-	8,12,13	-	13,14,19	12,15,16	-
	29,30,33.2	14,15,16	X,Y	-	20,22,24	-
	-	18,22.2,28.2,29.2	6,7,9,9.3	-	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

R62URZ	PowerPlex® PP16, GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	[7],10,[14]	18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
R9N9KG	Identifiler® Plus					
		17,19,20,22		14,15,16,17		9,10,12
4e		9,10	10,14,15			
	10,11,13	8,12,13		13,14,[19]	12,15,16	
	29,30		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
RLAQ9E	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
RN3EVF	PowerPlex® Fusion 6C					
	14,15,15.3,[17.3]	17,[19,20],22	11.3,13,14	[14],15,[16],17		[9],10,12
4e		9,10,[11]	[10],14,15		13,14,15	17.3,[19],22
	10,11,13	8,12,13		[13],14,[19]	[12,15],16	
	29,30,[33.2]	14,15,16	X,Y	10,11,12	20,22,[24]	13
	[7],10,[14]	[18,22.2],28.2,29.2	6,[7],9,[9.3]	8,[11]	15,16,18	
RYYK8	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
T8NRH4	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
TCHP8U	PowerPlex® Fusion 5C					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13,13
	7,10,14		6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

TFG3QD	PowerPlex®					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
TFZPPV	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
TKEHLF	PowerPlex® 16					
				14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19		
	29,30,33.2		X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
TM6G77	Identifiler® Plus					
		17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
TMVPQJ	Identifiler® Plus					
		17,22		14,15,16,17		10,12
4e		9,10	14,15			
	11,13	8,12,13		13,14	15,16	
	29,30		X,Y	10,11,12	20,22	
			6,9	8,8	15,16,18	
U3TA7X	GlobalFiler™, MiniFiler					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
U62DUU	PowerPlex® Fusion 5C					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13,13
	7,10,14		6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

UDW79F	PowerPlex® 16					
				14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19		
	29,30,33.2		X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
UH6ULG	PowerPlex® 16					
				14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19		
	29,30,33.2		X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
UPTBJZ	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
UTKQH8	Identifiler® Plus					
	-	17,19,20,22	-	14,15,16,17	-	9,10,12
4e	-	9,10,11	10,14,15	-	-	-
	10,11,13	8,12,13	-	13,14,19	12,15,16	-
	29,30,33.2	-	X,Y	10,11,12	20,22,24	-
	-	-	6,7,9,9.3	8,11	15,16,18	
UVAX36	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
UWPAPF	PowerPlex® 16					
				14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19		
	29,30,33.2		X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
VA37Y9	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

VAMQ72	Identifiler® Plus	17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
		10,11,13	8,12,13	13,14,19	12,15,16	
		29,30,33.2	X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
VCRDNC	GlobalFiler™	15,15.3	17,22	13,14	15,17	10,12
4e		9,10	14,15		13,15	17.3,22
		11,13	8,13	14,14	16,16	
		29,30	14,15	X,X	10,12	20,22
		28.2,29.2	6,9	8,8	16,18	
VHJMT4	PowerPlex® ESI16	[14],15,15.3,[17.3]	17,[19,20],22	11.3,13,14	[14],15,[16],17	
4e				[10],14,15		13,[14],15
			8,12,13		[13],14,[19]	[12,15],16
		29,30,[33.2]	14,15,16	X,[Y]		20,22,[24]
				6,7,9,[9.3]		[15],16,18
VP2URW	GlobalFiler™	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17	9,10,12
4e			9,10,11	10,14,15		13,14,15
		10,11,13	8,12,13		13,14,19	12,15,16
		29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24
			18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18
VRTXBV	GlobalFiler™	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17	9,10,12
4e			9,10,11	10,14,15		13,14,15
		10,11,13	8,12,13		13,14,19	12,15,16
		29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24
			18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18
W2RZ8C	GlobalFiler™	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17	9,10,12
4e			9,10,11	10,14,15		13,14,15
		10,11,13	8,12,13		13,14,19	12,15,16
		29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24
			18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18
WC9UEY	PowerPlex® Fusion	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17	9,10,12
4e			9,10,11	10,14,15		13,14,15
		10,11,13	8,12,13		13,14,19	12,15,16
		29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24
		7,10,14		6,7,9,9.3	8,11	15,16,18

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

WEE84D	PowerPlex® 16					
				14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19		
	29,30,33.2		X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
WKJBLY	Identifiler® Plus					
		17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
WM9FMJ	Qiagen Investigator 24 Plex QS					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
WN38CA	PowerPlex® fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11	20,22,24	13
	7,10,14		6,7,9,9.3	8	15,16,18	
WQREW8	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
WRLBBT	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
WVKJPB	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

X8TRVZ	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
	4e	9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
	18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18		
X9HALZ	PowerPlex® Fusion					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
	4e	9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14	6,7,9,9.3	8,11	15,16,18		
XE8ML3	Identifiler® Plus					
		17,19,20,22		14,15,16,17		9,10,12
	4e	9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
		6,7,9,9.3	8,11	15,16,18		
XNZTMG	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
	4e	9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
	18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18		
XRH9YU	GlobalFiler™					
	14,15,15.3,17.3	17,19,20,22,Q	11.3,13,14,Q	14,15,16,17		9,10,11,12,Q
	4e	9,10,11,Q	10,13,14,15		12,13,14,15	17.3,19,21,22,Q
	10,11,13,Q	8,12,13,Q		13,14,19,Q	12,15,16,Q	
	29,30,33.2,Q	14,15,16,Q	X,Y	10,11,12,Q	20,22,24,Q	
	18,22.2,28.2,29.2	6,7,9,3,Q	8,11,Q	15,16,18,Q		
XTQCK6	GlobalFiler™					
	[14],15,15.3,[17.3]	17,[19,20],22	[11.3],13,14	[14],15,[16],17		[9],10,12
	4e	9,10,[11]	[10],14,15		13,[14],15	17.3,[19],22
	[10],11,13	8,12,13		[13],14,[19]	[12,15],16	
	29,30,[33.2]	14,15,[16]	X,[Y]	10,[11],12	20,22,[24]	
	[18,22.2],28.2,29.2	6,[7],9,[9.3]	8,[11]	[15],16,18		
XTTVQF	Identifiler® Plus					
		17,19,20,22		14,15,16,17		9,10,12
	4e	9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
		6,7,9,9.3	8,11	15,16,18		

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

XU8CR2	Identifiler® Plus	17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2		X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
Y3A7BR	GlobalFiler™	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
YBPPVQ	GlobalFiler™	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
YC2E3A	PowerPlex® 16			14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
	10,11,13	8,12,13		13,14,19		
	29,30,33.2		X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
YKT2PZ	PowerPlex® Fusion	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	13
	7,10,14		6,7,9,9.3	8,11	15,16,18	
YPNQ8R	GlobalFiler™	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
YQFPK6	GlobalFiler™	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
	10,11,13	8,12,13		13,14,19	12,15,16	
	29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24	
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

Z9E8AZ	Identifiler® Plus	17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
		10,11,13	8,12,13	13,14,19	12,15,16	
		29,30,33.2	X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
Z9WD9Q	GlobalFiler™	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
		10,11,13	8,12,13	13,14,19	12,15,16	
		29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
ZBLKTM	PowerPlex® Fusion	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
		10,11,13	8,12,13	13,14,19	12,15,16	
		29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24
		7,10,14	6,7,9,9.3	8,11	15,16,18	13,13
ZLD9CH	Identifiler®	17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
		10,11,13	8,12,13	13,14,19	12,15,16	
		29,30,33.2	X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	
ZMXRUU	PowerPlex® 16			14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
		10,11,13	8,12,13	13,14,19		
		29,30,33.2	X,Y	10,11,12	20,22,24	13
		7,10,14	6,7,9,9.3	8,11	15,16,18	
ZNRLGQ	GlobalFiler™	17,19,20,22	11.3,13,14	14,15,16,17		9,10,12
4e		9,10,11	10,14,15		13,14,15	17.3,19,22
		10,11,13	8,12,13	13,14,19	12,15,16	
		29,30,33.2	14,15,16	X,Y	10,11,12	20,22,24
		18,22.2,28.2,29.2	6,7,9,9.3	8,11	15,16,18	
ZUBZVV	Identifiler® Plus	17,19,20,22		14,15,16,17		9,10,12
4e		9,10,11	10,14,15			
		10,11,13	8,12,13	13,14,19	12,15,16	
		29,30,33.2	X,Y	10,11,12	20,22,24	
			6,7,9,9.3	8,11	15,16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4e - STR Results

ZZJ674	PowerPlex® FUSION					
	[14],15,15.3,[17.3]	17,[19,20],22	[11.3],13,14	[14],15,[16],17		[9],10,12
4e		9,10,[11]	[10],14,15		13,[14],15	17.3,[19],22
	[10],11,13	8,[12],13		[13],14,[19]	[12,15],16	
	29,30,[33.2]	14,15,[16]	X,Y	10,[11],12	20,22,[24]	13
	[7],10,[14]		6,[7],9,[9.3]	8,[11]	[15],16,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

26DB8D	Identifiler® Plus	19,20		14,16		9,12
4sp		10,11	10,14			
		10,11	12,12	13,19	12,15	
		30,33.2	X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
27MJB6	PowerPlex® 16			14,16		9,12
4sp		10,11	10,14			
		10,11	12	13,19		
		30,33.2	X,Y	11	20,24	13
		7,14	7,9.3	8,11	15,18	
2B3XWQ	GlobalFiler™	14,17.3	19,20	11.3,14	14,16	9,12
4sp		10,11	10,14		14,15	19,22
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	
2DB77B	Identifiler® Plus	19,20		14,16		9,12
4sp		10,11	10,14			
		10,11	12,12	13,19	12,15	
		30,33.2	X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
2G72MP	GlobalFiler™	14,17.3	19,20	11.3,14	14,16	9,12
4sp		10,11	10,14		14,15	19,22
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	
2NQ333	PowerPlex® Fusion	14,17.3	19,20	11.3,14	14,16	9,12
4sp		10,11	10,14		14,15	19,22
		10,11	12,12	13,19	12,15	
		30,33.2	16,16	X,Y	11,11	20,24
		7,14	7,9.3	8,11	15,18	
2QVL9B	Identifiler® Plus	19,20		14,16		9,12
4sp		10,11	10,14			
		10,11	12,12	13,19	12,15	
		30,33.2	X,Y	11,11	20,24	
			7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

3DN26N	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	
3GHYRU	Identifiler® Plus					
			19,20		14,16	9,12
	4sp		10,11	10,14		
		10,11	12,12		13,19	12,15
		30,33.2		X,Y	11,11	20,24
			7,9.3	8,11	15,18	
3N384X	PowerPlex® 21					
		14,17.3	19,20		14,16	9,12
	4sp		10,11	10,14		19,22
		10,11	12,12		13,19	12,15
		30,33.2		X,Y	11,11	20,24
	7,14		7,9.3	8,11	15,18	
3XNDUA	Identifiler® Plus					
			19,20		14,16	9,12
	4sp		10,11	10,14		
		10,11	12,12		13,19	12,15
		30,33.2		X,Y	11,11	20,24
			7,9.3	8,11	15,18	
47GV3Q	PowerPlex® 16					
				14,16		9,12
	4sp		10,11	10,14		
		10,11	12		13,19	
		30,33.2		X,Y	11	20,24
	7,14		7,9.3	8,11	15,18	13
4EWW77	PowerPlex® 16					
				14,16		9,12
	4sp		10,11	10,14		
		10,11	12		13,19	
		30,33.2		X,Y	11	20,24
	7,14		7,9.3	8,11	15,18	13
4LC8J8	PowerPlex® 16					
				14,16		9,12
	4sp		10,11	10,14		
		10,11	12		13,19	
		30,33.2		X,Y	11	20,24
	7,14		7,9.3	8,11	15,18	13

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

4X6ZK3	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
	4sp	10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
4ZC784	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
	4sp	10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
	18,22.2	7,9.3	8,11	15,18		
696NEK	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
	4sp	10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,[22],24	
	18,22.2	7,9.3	8,11	15,18		
6FM6XM	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
	4sp	10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
	18,22.2	7,9.3	8,11	15,18		
6KTTKW	ESI17					
	4sp					
6RAJN3	PowerPlex® 21					
	14,17.3	19,20		14,16		9,12
	4sp	12,19	10,11	10,14		19,22
	10,11	12		13,19	12,15	
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
76DA2U	Identifiler® Plus					
	-	19,20	-	14,16	-	9,12
	4sp	10,11	10,14	-	-	-
	10,11	12	-	13,19	12,15	-
	30,33.2	-	X,Y	11	20,24	-
	-	7,9.3	8,11	15,18		

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

7ELLHY	GlobalFiler™					
	14,[15],17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	[17.3],19,22
	10,11	12		13,[14],19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
7FXFZJ	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
7G9DD2	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	
		18,22.2	7,9.3	8,11	15,18	
7LL4VP	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
7NRJ72	Identifiler® Plus, PowerPlex® 21					
	14,17.3	19,20		14,16		9,12
4sp		10,11	10,14			19,22
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
7UED4Y	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
7Z7JYP	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

833NTK	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
			18,22.2	7,9.3	8,11	15,18
8QBTYZ	PowerPlex® 16					
				14,16		9,12
	4sp		10,11	10,14		
		10,11	12		13,19	
		30,33.2		X,Y	11	20,24
		7,14		7,9.3	8,11	15,18
8TAGWB	PowerPlex® Fusion					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12,12		13,19	12,15
		30,33.2	16,16	X,Y	11,11	20,24
		7,14		7,9.3	8,11	15,18
8WD826	Identifiler® Plus					
			19,20		14,16	9,12
	4sp		10,11	10,14		
		10,11	12,12		13,19	12,15
		30,33.2		X,Y	11,11	20,24
				7,9.3	8,11	15,18
969PBX	PowerPlex® 16					
				14,16		9,12
	4sp		10,11	10,14		
		10,11	12		13,19	
		30,33.2		X,Y	11	20,24
		7,14		7,9.3	8,11	15,18
9BCD7J	PowerPlex® 16, GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
		7,14	18,22.2	7,9.3	8,11	15,18
9GJ2JK	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
			18,22.2	7,9.3	8,11	15,18

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

9M8Q4V	PowerPlex® Fusion 5C					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14,15		14,15
		10,11	12,13		13,19	12,15
		30,33.2	16	X,Y	11	20,24
	7,14		6,7,9.3	8,11	15,18	
9UN3GV	PowerPlex® ESI 17 PRO					
		14,17.3	19,20	11.3,14	14,16	
	4sp			10,14		14,15
			12,12		13,19	12,15
		30,33.2	16,16	X,Y		20,24
		18,22.2	7,9.3		15,18	
ABRWNV	Identifiler® Plus					
			19,20		14,16	9,12
	4sp		10,11	10,14		
		10,11	12		13,19	12,15
		30,33.2		X,Y	11	20,24
			7,9.3	8,11	15,18	
ACBQGJ	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	
AGHJ32	Identifiler® Plus					
			19,20		14,16	9,12
	4sp		10,11	10,14		
		10,11	12,12		13,19	12,15
		30,33.2		X,Y	11,11	20,24
			7,9.3	8,11	15,18	
AQ3X3X	Identifiler® Plus					
			19,20		14,16	9,12
	4sp		10,11	10,14		
		10,11	12,12		13,19	12,15
		30,33.2		X,Y	11,11	20,24
			7,9.3	8,11	15,18	
B89JZD	PowerPlex® Fusion					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12,12		13,19	12,15
		30,33.2	16,16	X,Y	11,11	20,24
	7,14		7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

BMN9NF	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	
BP8MRF	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	
BT9HNC	PowerPlex® Fusion 5C					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12,12		13,19	12,15
		30,33.2	16,16	X,Y	11,11	20,24
	7,14		7,9.3	8,11	15,18	
BUKAKZ	PowerPlex® 16					
					14,16	9,12
	4sp		10,11	10,14		
		10,11	12		13,19	
		30,33.2		X,Y	11	20,24
	7,14		7,9.3	8,11	15,18	
C2YHGV						
			19,20		14,16	9,12
	4sp		10,11	10,14		
		10,11	12,12		13,19	12,15
		30,33.2		X,Y	11,11	20,24
			7,9.3	8,11	15,18	
C8ZWZB	PowerPlex® Fusion					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12,12		13,19	12,15
		30,33.2	16,16	X,Y	11,11	20,24
	7,14		7,9.3	8,11	15,18	
CAQZUH	Identifiler® Plus					
			19,20		14,16	9,12
	4sp		10,11	10,14		
		10,11	12,12		13,19	12,15
		30,33.2		X,Y	11,11	20,24
			7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

CDAXJU	PowerPlex® FUSION					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12,12		13,19	12,15
		30,33.2	16,16	X,Y	11,11	20,24
	7,14		7,9.3	8,11	15,18	
CLJLXR	PowerPlex® Fusion					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12,12		13,19	12,15
		30,33.2	16,16	X,Y	11,11	20,24
	7,14		7,9.3	8,11	15,18	
CLM644	PowerPlex® Fusion					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12,12		13,19	12,15
		30,33.2	16,16	X,Y	11,11	20,24
	7,14		7,9.3	8,11	15,18	
CMW3GL	Identifiler® Plus					
			19,20		14,16	9,12
	4sp		10,11	10,14		
		10,11	12,12		13,19	12,15
		30,33.2		X,Y	11,11	20,24
			7,9.3	8,11	15,18	
CYABWX	NGM					
		14,17.3	19,20	11.3,14	14,16	
	4sp			10,14		14,15
			12,12		13,19	12,15
		30,33.2	16,16	X,Y		20,24
			7,9.3		15,18	
D6RYBZ	PowerPlex® Fusion 5C					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12,12		13,19	12,15
		30,33.2	16,16	X,Y	11,11	20,24
	7,14		7,9.3	8,11	15,18	
DA7GNB	PowerPlex® Fusion					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12,12		13,19	12,15
		30,33.2	16,16	X,Y	11,11	20,24
	7,14		7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

DAMXGJ	Identifiler® Plus	19,20		14,16		9,12
4sp		10,11	10,14			
		10,11	12,12	13,19	12,15	
		30,33.2	X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
DEYJUW	Identifiler®	19,20		14,16		9,12
4sp		10,11	10,14			
		10,11	12	13,19	12,15	
		30,33.2	X,Y	11	20,24	
			7,9.3	8,11	15,18	
DGMDBX	PowerPlex® 16			14,16		9,12
4sp		10,11	10,14			
		10,11	12	13,19		
		30,33.2	X,Y	11	20,24	13
		7,14	7,9.3	8,11	15,18	
DMUNLC	GlobalFiler™	14,17.3	19,20	11.3,14	14,16	9,12
4sp		10,11	10,14		14,15	19,22
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	
DTKYXV	Identifiler® Plus	19,20		14,16		9,12
4sp		10,11	10,14			
		10,11	12	13,19	12,15	
		30,33.2	X,Y	11	20,24	
			7,9.3	8,11	15,18	
DXRL9C	GlobalFiler™	14,17.3	19,20	11.3,14	14,16	9,12
4sp		10,11	10,14		14,15	19,22
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	
DZJKKP	GlobalFiler™	14,17.3	19,20	11.3,14	14,16	9,12
4sp		10,11	10,14		14,15	19,22
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

ECAWCT	Identifiler® Plus	19,20		14,16		9,12
4sp		10,11	10,14			
		10,11		13,19	12,15	
		30,33.3	X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
ECRKW9	Identifiler® Plus	19,20		14,16		9,12
4sp		10,11	10,14			
		10,11		13,19	12,15	
		30,33.2	X,Y	11	20,24	
			7,9.3	8,11	15,18	
EG7AKC	GlobalFiler™	14,17.3	19,20	11.3,14	14,16	9,12
4sp		10,11	10,14		14,15	19,22
		10,11		13,19	12,15	
		30,33.2	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
F48879	Identifiler® Plus	19,20		14,16		9,12
4sp		10,11	10,14			
		10,11		13,19	12,15	
		30,33.2	X,Y	11	20,24	
			7,9.3	8,11	15,18	
F7XBYP	PowerPlex®	14,17.3	19,20	11.3,14	14,16	9,12
4sp		10,11	10,14		14,15	19,22
		10,11		13,19	12,15	
		30,33.2	X,Y	11,11	20,24	13,13
		7,14	7,9.3	8,11	15,18	
FDLQWY	GlobalFiler™	14,17.3	19,20	11.3,14	14,16	9,12
4sp		9,10,11	10,14		14,15	19,22
		10,11		13,19	12,15	
		30,33.2	X,Y	11,12	20,24	
		18,22.2	7,9.3	8,11	15,18	
FHC6EE	PowerPlex® ESI Fast 16	14,17.3	19,20	11.3,14	14,16	
4sp			10,14		14,15	19,22
		12,12		13,19	12,15	
		30,33.2	X,Y		20,24	
			7,9.3		15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

FX6TRY	PowerPlex® Fusion						
		14,17.3	19,20	11.3,14	14,16	9,12	
	4sp		10,11	10,14		14,15	19,22
		10,11	12,12		13,19	12,15	
		30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18		
G3EL4A	GlobalFiler™						
		14,17.3	19,20	11.3,14	14,16	9,12	
	4sp		10,11	10,14		14,15	19,22
		10,11	12		13,19	12,15	
		30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18		
G4NHK8	GlobalFiler™						
		14,17.3	19,20	11.3,14	14,16	9,12	
	4sp		10,11	10,14		14,15	19,22
		10,11	12		13,19	12,15	
		30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18		
GJEK2B	GlobalFiler™						
		14,17.3	19,20	11.3,14	14,16	9,12	
	4sp		10,11	10,14		14,15	19,22
		10,11	12		13,19	12,15	
		30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18		
GKWCCG	PowerPlex® Fusion						
		14,17.3	19,20	11.3,14	14,16	9,12	
	4sp		10,11	10,14		14,15	19,22
		10,11	12		13,19	12,15	
		30,33.2	16	X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18		
GNWKJC	PowerPlex® 16						
					14,16	9,12	
	4sp		10,11	10,14			
		10,11	12		13,19		
		30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18		
GP6ZPH	ESI-17						
		14,17.3	19,20	11.3,14	14,16		
	4sp			10,14		14,15	19,22
			12,12		13,19	12,15	
		30,33.2	16,16	X,Y		20,24	
		18,22.2	7,9.3		[10],15,18		

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

GVUEEP	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp	10,11					
	10,11	12		13,19	14,15	19,22
	30,33.2	16	X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
H2HAYU	Identifiler® Plus					
		19,20		14,16		9,12
4sp	10,11					
	10,11	12,12		13,19	14,15	19,22
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
H3A9DR	PowerPlex® 16					
				14,16		9,12
4sp	10,11					
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
H78YDC	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp	10,11					
	10,11	12		13,19	14,15	19,22
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
HE3YR6	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp	10,11					
	10,11	12,12		13,19	14,15	19,22
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
HEHBCV	Identifiler® Plus					
		19,20		14,16		9,12
4sp	10,11					
	10,11	12,12		13,19	14,15	19,22
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
HKPMMA	PowerPlex® Y23					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp	10,11					
		12,12		13,19	14,15	19,22
	30,33.2	16,16	X,Y		20,24	
		18,22.2	7,9.3		15,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

HQZQNA	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	
HTP3GN	PowerPlex® 16					
				14,16		9,12
	4sp		10,11	10,14		
		10,11	12		13,19	
		30,33.2		X,Y	11	20,24
	7,14		7,9.3	8,11	15,18	
HXFG2P	Identifiler® Plus					
			19,20		14,16	9,12
	4sp		10,11	10,14		
		10,11	12,12		13,19	12,15
		30,33.2		X,Y	11,11	20,24
			7,9.3	8,11	15,18	
HYPNZB	PowerPlex® 16, GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
	7,14	18,22.2	7,9.3	8,11	15,18	
JLEFMZ	Identifiler®					
		-	19,20	-	14,16	-
	4sp		10,11	10,14	-	-
		10,11	12,12	-	13,19	12,15
		30,33.2	-	X,Y	11,11	20,24
	-	-	7,9.3	8,11	15,18	
JZ93TR	Identifiler® Plus					
			19,20		14,16	9,12
	4sp		10,11	10,14		
		10,11	12,12		13,19	12,15
		30,33.2		X,Y	11,11	20,24
			7,9.3	8,11	15,18	
JZZTBE	PowerPlex® Fusion					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
	7,14		7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

K7MQLM	PowerPlex® 16					
				14,16		9,12
4sp		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
KCTNUR	Identifiler® Plus					
		19,20		14,16		9,12
4sp		10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
KMT28L	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
KX4TAL	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16	NT	9,12
4sp	NT	10,11	10,14	NT	14,15	19,22
	10,11	12	NT	13,19	12,15	NT
	30,33.2	16	X,Y	11	20,24	13
	7,14	NT	7,9.3	8,11	15,18	
LA4HAV	Identifiler® Plus, PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
LD2YMP	PowerPlex® 16					
				14,16		9,12
4sp		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
LEVQCF	Identifiler® Plus					
	-	19,20	-	14,16	-	9,12
4sp	-	10,11	10,14	-	-	-
	10,11	12	-	13,19	12,15	-
	30,33.2	-	X,Y	11	20,24	-
	-	-	7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

LMRJTM	PowerPlex® 16					
4sp				14,16		9,12
		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
LPVCML	PowerPlex® 16					
4sp				14,16		9,12
		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
LULTK	PowerPlex® Fusion					
4sp	14,17.3	19,20	11.3,14	14,16		9,12
		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
M47KRG	Identifiler® Plus					
4sp		19,20		14,16		9,12
		10,11	10,14			
	10,11	12		13,19	12,15	
	30,33.2		X,Y	11	20,24	
			7,9.3	8,11	15,18	
M6XJVV	PowerPlex® Fusion					
4sp	14,17.3	19,20	11.3,14	14,16		9,12
		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
MC3GG6	Identifiler® Plus					
4sp		19,20		14,16		9,12
		10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
MPA9JD	DNA17					
4sp	14,15,15.3,17.3	19,20,22	11.3,14	14,15,16,17		
			10,14,15		14,15	17.3,19,22
		8,12,13		13,14,19	12,15,16	
	29,30,33.2	15,16	X,Y		20,22,24	
		18,22.2,28.2,[29.2]	6,7,9.3		15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

NCDGCE	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	
NKQNVN	Identifiler®					
			19,20		14,16	9,12
	4sp		10,11	10,14		
		10,11	12,12		13,19	12,15
		30,33.2		X,Y	11,11	20,24
			7,9.3	8,11	15,18	
NKU3BA	Identifiler® Plus					
			19,20		14,16	9,12
	4sp		10,11	10,14		
		10,11	12,12		13,19	12,15
		30,33.2		X,Y	11,11	20,24
			7,9.3	8,11	15,18	
P8T9RL	Identifiler® Plus					
			19,20		14,16	9,12
	4sp		10,11	10,14		
		10,11	12,12		13,19	12,15
		30,33.2		X,Y	11,11	20,24
			7,9.3	8,11	15,18	
PG3F3E	Identifiler® Plus					
			19,20		14,16	9,12
	4sp		10,11	10,14		
		10,11	12		13,19	12,15
		30,33.2		X,Y	11	20,24
			7,9.3	8,11	15,18	
PG9NEM	Identifiler® Plus					
			19,20		14,16	9,12
	4sp		10,11	10,14		
		10,11	12,12		13,19	12,15
		30,33.2		X,Y	11,11	20,24
			7,9.3	8,11	15,18	
PTHGPZ	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

PVL4CC	Identifiler® Plus					
	-	19,20	-	14,16	-	9,12
4sp	-	10,11	10,14	-	-	-
	10,11	12	-	13,19	12,15	-
	30,33.2	-	X,Y	11	20,24	-
	-	-	7,9.3	8,11	15,18	
Q8CCB7	Identifiler® Plus					
	-	19,20	-	14,16	-	9,12
4sp	-	10,11	10,14	-	-	-
	10,11	12,12	-	13,19	12,15	-
	30,33.2	-	X,Y	11,11	20,24	-
	-	-	7,9.3	8,11	15,18	
QFQW3H	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16	-	9,12
4sp	-	10,11	10,14	-	14,15	19,22
	10,11	12	-	13,19	12,15	-
	30,33.2	16	X,Y	11	20,24	-
	-	18,22.2	7,9.3	8,11	15,18	
QVJNNJ	PowerPlex® 16					
	-	-	-	14,16	-	9,12
4sp	-	10,11	10,14	-	-	-
	10,11	12	-	13,19	-	-
	30,33.2	-	X,Y	11	20,24	13
	7,14	-	7,9.3	8,11	15,18	
QWDGCA	Identifiler® Plus					
	-	19,20	-	14,16	-	9,12
4sp	-	10,11	10,14	-	-	-
	10,11	12,12	-	13,19	12,15	-
	30,33.2	-	[X],Y	11,11	20,24	-
	-	-	7,9.3	8,11	15,18	
QYK2ZB	Identifiler® Plus					
	-	19,20	-	14,16	-	9,12
4sp	-	10,11	10,14	-	-	-
	10,11	12,12	-	13,19	12,15	-
	30,33.2	-	[X],Y	11,11	20,24	-
	-	-	7,9.3	8,11	15,18	
R26698	PowerPlex® ESI 17 FAST					
	14,17.3	19,20	11.3,14	14,16	-	-
4sp	-	-	10,14	-	14,15	19,22
	-	12,12	-	13,19	12,15	-
	30,33.2	16,16	X,Y	-	20,24	-
	-	18,22.2	7,9.3	-	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

R62URZ	PowerPlex® PP16, GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
	7,14	18,22.2	7,9.3	8,11	15,18	
R9N9KG	Identifiler® Plus					
			19,20		14,16	9,12
	4sp		10,11	10,14		
		10,11	12		13,19	12,15
		30,33.2		X,Y	11	20,24
			7,9.3	8,11	15,18	
RLAQ9E	PowerPlex® Fusion					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12,12		13,19	12,15
		30,33.2	16,16	X,Y	11,11	20,24
	7,14		7,9.3	8,11	15,18	
RN3EVF	PowerPlex® Fusion 6C					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
	7,14	18,22.2	7,9.3	8,11	15,18	
RYYK8	PowerPlex® Fusion					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
	7,14		7,9.3	8,11	15,18	
T8NRH4	PowerPlex® Fusion					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
	7,14		7,9.3	8,11	15,18	
TCHP8U	PowerPlex® Fusion 5C					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12,12		13,19	12,15
		30,33.2	16,16	X,Y	11,11	20,24
	7,14		7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

TFG3QD	PowerPlex®					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
TFZPPV	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
TKEHLF	PowerPlex® 16					
				14,16		9,12
4sp		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
TM6G77	Identifiler® Plus					
		19,20		14,16		9,12
4sp		10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
TMVPQJ	Identifiler® Plus					
		19,20		14,16		9,12
4sp		10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
U3TA7X	GlobalFiler™, MiniFiler					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
U62DUU	PowerPlex® Fusion 5C					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

UDW79F	PowerPlex® 16					
				14,16		9,12
4sp		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
UH6ULG	PowerPlex® 16					
				14,16		9,12
4sp		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
UPTBJZ	GlobalFiler™					
	13,14,16.3,17.3,Q	18,19,20,Q	10.3,11.3,13,14,Q	13,14,15,16,Q		8,9,11,12,13,Q
4sp		9,10,11,Q	9,10,13,14,Q		13,14,15,Q	18,19,21,22,Q
	9,10,11,Q	11,12,Q		12,13,18,19,Q	11,12,14,15,Q	
	29,30,32.2,33.2,Q	15,16,Q	X,Y	10,11,Q	19,20,23,24,Q	
		17,18,19,21.2,22.2,Q	7,9.3,Q	8,10,11,Q	14,15,17,18,Q	
UTKQH8	Identifiler® Plus					
	-	19,20	-	14,16	-	9,12
4sp		10,11	10,14			
	10,11	12		13,19	12,15	
	30,33.2		X,Y	11	20,24	
	-	-	7,9.3	8,11	15,18	
UVAX36	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
UWPAPF	PowerPlex® 16					
				14,16		9,12
4sp		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
VA37Y9	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

VAMQ72	Identifiler® Plus					
		19,20		14,16		9,12
4sp		10,11	10,14			
		10,11	12,12	13,19	12,15	
		30,33.2	X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
VCRDNC	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
4sp		10,11	10,14		14,15	19,22
		10,11	12,12	13,19	12,15	
		30,33.2	16,16	X,Y	11,11	20,24
			18,22.2	7,9.3	8,11	15,18
VHJMT4	PowerPlex® ESI16					
		14,17.3	[17],19,20,[22]	11.3,14	14,16,[17]	
4sp			10,14		[13],14,15	19,22
			12	13,[14],19	12,15	
		30,33.2	16	X,Y	20,24	
			[6],7,9.3		15,18	
VP2URW	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
4sp		10,11	10,14		14,15	19,22
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
			18,22.2	7,9.3	8,11	15,18
VRTXBV	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
4sp		10,11	10,14		14,15	19,22
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
			18,22.2	7,9.3	8,11	15,18
W2RZ8C	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
4sp		10,11	10,14		14,15	19,22
		10,11	12,12	13,19	12,15	
		30,33.2	16,16	X,Y	11,11	20,24
			18,22.2	7,9.3	8,11	15,18
WC9UEY	PowerPlex® Fusion					
		14,17.3	19,20	11.3,14	14,16	9,12
4sp		10,11	10,14		14,15	19,22
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
		7,14		7,9.3	8,11	15,18

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

WEE84D	PowerPlex® 16					
				14,16		9,12
4sp		10,11	10,14			
	10,11	12		13,19		
	30,33.2		X,Y	11	20,24	13
	7,14		7,9.3	8,11	15,18	
WKJBLY	Identifiler® Plus					
		19,20		14,16		9,12
4sp		10,11	10,14			
	10,11	12,12		13,19	12,15	
	30,33.2		X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
WM9FMJ	Qiagen Investigator 24 Plex QS					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
	10,11	12		13,19	12,15	
	30,33.2	16	X,Y	11	20,24	
		18,22.2	7,9.3	8,11	15,18	
WN38CA	PowerPlex® fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
WQREW8	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	
WRLBBT	GlobalFiler™					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	
		18,22.2	7,9.3	8,11	15,18	
WVKJPB	PowerPlex® Fusion					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
Item	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

X8TRVZ	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12,12		13,19	12,15
		30,33.2	16,16	X,Y	11,11	20,24
		18,22.2	7,9.3	8,11	15,18	
X9HALZ	PowerPlex® Fusion					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
	7,14		7,9.3	8,11	15,18	13
XE8ML3	Identifiler® Plus					
			19,20		14,16	9,12
	4sp		10,11	10,14		
		10,11	12		13,19	12,15
		30,33.2		X,Y	11	20,24
			7,9.3	8,11	15,18	
XNZTMG	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12,12		13,19	12,15
		30,33.2	16,16	X,Y	11,11	20,24
		18,22.2	7,9.3	8,11	15,18	
XRH9YU	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	
XTQCK6	GlobalFiler™					
		14,17.3	19,20	11.3,14	14,16	9,12
	4sp		10,11	10,14		14,15
		10,11	12		13,19	12,15
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	
XTTVQF	Identifiler® Plus					
			19,20		14,16	9,12
	4sp		10,11	10,14		
		10,11	12,12		13,19	12,15
		30,33.2		X,Y	11,11	20,24
			7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

XU8CR2	Identifiler® Plus	19,20		14,16		9,12
4sp		10,11	10,14			
		10,11	12,12	13,19	12,15	
		30,33.2	X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
Y3A7BR	GlobalFiler™	14,15,15.3,17.3	17,19,20	11.3,14	14,15,16,17	9,10,12
4sp			9,10,11	10,14,15		13,14,15
		10,11,13	8,12,13	13,14,19	12,15,16	
		29,30,32.2,33.2	14,16	X,Y	10,11,12	20,22,24
			18,22.2,28.2	6,7,9,9.3	8,11	15,16,18
YBPPVQ	GlobalFiler™	14,17.3	19,20	11.3,14	14,16	9,12
4sp			10,11	10,14		14,15
		10,11	12	13,19	12,15	19,22
		30,33.2	16	X,Y	11	20,24
			18,22.2	7,9.3	8,11	15,18
YC2E3A	PowerPlex® 16			14,16		9,12
4sp		10,11	10,14			
		10,11	12	13,19		
		30,33.2	X,Y	11	20,24	13
		7,14	7,9.3	8,11	15,18	
YKT2PZ	PowerPlex® Fusion	14,17.3	19,20	11.3,14	14,16	9,12
4sp			10,11	10,14		14,15
		10,11	12	13,19	12,15	19,22
		30,33.2	16	X,Y	11	20,24
		7,14	7,9.3	8,11	15,18	13
YPNQ8R	GlobalFiler™	14,17.3	19,20,22	11.3,14	14,16	9,12
4sp			10,11	10,14		14,15
		10,11	12,12	13,19	12,15	19,22
		30,33.2	16,16	X,Y	11,11	20,22,24
			18,22.2	7,9.3	8,11	15,18
YQFPK6	GlobalFiler™	14,17.3	19,20	11.3,14	14,16	9,12
4sp			10,11	10,14		14,15
		10,11	12	13,19	12,15	19,22
		30,33.2	16	X,Y	11	20,24
			18,22.2	7,9.3	8,11	15,18

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

Z9E8AZ	Identifiler® Plus	19,20		14,16		9,12
4sp		10,11	10,14			
		10,11	12	13,19	12,15	
		30,33.2	X,Y	11	20,24	
			7,9.3	8,11	15,18	
Z9WD9Q	GlobalFiler™	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
		10,11	12,12	13,19	12,15	
		30,33.2	16,16	X,Y	11,11	20,24
		18,22.2	7,9.3	8,11	15,18	
ZBLKTM	PowerPlex® Fusion	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
		10,11	12,12	13,19	12,15	
		30,33.2	16,16	X,Y	11,11	20,24
		7,14	7,9.3	8,11	15,18	13,13
ZLD9CH	Identifiler®	19,20		14,16		9,12
4sp		10,11	10,14			
		10,11	12,12	13,19	12,15	
		30,33.2	X,Y	11,11	20,24	
			7,9.3	8,11	15,18	
ZMXRUU	PowerPlex® 16			14,16		9,12
4sp		10,11	10,14			
		10,11	12	13,19		
		30,33.2	X,Y	11	20,24	13
		7,14	7,9.3	8,11	15,18	
ZNRLGQ	GlobalFiler™	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
		10,11	12	13,19	12,15	
		30,33.2	16	X,Y	11	20,24
		18,22.2	7,9.3	8,11	15,18	
ZUBZVV	Identifiler® Plus	19,20		14,16		9,12
4sp		10,11	10,14			
		10,11	12,12	13,19	12,15	
		30,33.2	X,Y	11,11	20,24	
			7,9.3	8,11	15,18	

TABLE 2

WebCode	Amplification Kits					
Item	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
	Penta E	SE33	TH01	TPOX	vWA	

Item 4sp - STR Results

ZZJ674	PowerPlex® FUSION					
	14,17.3	19,20	11.3,14	14,16		9,12
4sp		10,11	10,14		14,15	19,22
	10,11	12,12		13,19	12,15	
	30,33.2	16,16	X,Y	11,11	20,24	13,13
	7,14		7,9.3	8,11	15,18	

YSTR Amplification Kit(s) & Results

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 1 - YSTR Results

2NQ333 1	PowerPlex® Fusion										ND
4X6ZK3 1	PowerPlex® Fusion										ND
696NEK 1	Yfiler® Plus, GlobalFiler™										
6FM6XM 1	GlobalFiler™										
7G9DD2 1	GlobalFiler™										
7LL4VP 1	PowerPlex® Fusion										
7UED4Y 1	PowerPlex® Fusion										ND
ABRWNV 1	Yfiler® Direct										
AQ3X3X 1	Yfiler®	ND	ND	ND	ND	ND	ND	ND	ND	ND	
		ND	ND	ND	ND	ND					
							ND		ND		
B89JZD 1	PowerPlex® Fusion										ND
BP8MRF 1	GlobalFiler™										

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 1 - YSTR Results

C8ZWZB 1	PowerPlex® Fusion										ND
CDAXJU 1	PowerPlex® Fusion										ND
CLJLXR 1	PowerPlex® Fusion										ND
CLM644 1	PowerPlex® Fusion										
CMW3GL 1	GlobalFiler™										NR
D6RYBZ 1	PowerPlex® Fusion 5C										
DEYJUW 1	Yfiler®	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
F7XBYF 1	PowerPlex® Fusion										
FX6TRY 1	PowerPlex® Fusion										
GKWCCG 1	PowerPlex® Fusion										NR
GVUEEP 1	PowerPlex® Fusion										ND
HQZQNA 1	GlobalFiler™										

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 1 - YSTR Results

HYPNZB 1	PowerPlex® Y 23	[REDACTED]										
JZZTBE 1	PowerPlex® Fusion							NR	[REDACTED]			
KMT28L 1	PowerPlex® Fusion							ND	[REDACTED]			
KX4TAL 1	PowerPlex® Fusion							ND	[REDACTED]			
LA4HAV 1	PowerPlex® Fusion	[REDACTED]										
LULTTK 1	PowerPlex® Fusion							ND	[REDACTED]			
NKU3BA 1	GlobalFiler™							NR	[REDACTED]			
R9N9KG 1	Yfiler®	-	-	-	-	-	-	-	-	-	-	
RLAQ9E 1	PowerPlex® Fusion							ND	[REDACTED]			
RN3EVF 1	PowerPlex® Fusion 6C	[REDACTED]										
RYYK8 1	PowerPlex® Fusion							NR	[REDACTED]			
T8NRH4 1	PowerPlex® Fusion							NR	[REDACTED]			

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 1 - YSTR Results

TFG3QD 1	PowerPlex® Fusion									ND
TFZPPV 1	PowerPlex® Fusion 5C									ND
UVAX36 1	PowerPlex Fusion									NR
VA37Y9 1	PowerPlex® Fusion									ND
VCRDNC 1	GlobalFiler Express									NA
W2RZ8C 1	GlobalFiler™									NA
WC9UEY 1										ND
WM9FMJ 1	Qiagen Investigator 24 Plex QS									
WN38CA 1	PowerPlex® Fusion									nd
WQREW8 1	PowerPlex® Fusion									ND
WVKJPB 1	PowerPlex® Fusion									ND
X9HALZ 1	Fusion									NR

TABLE 3

WebCode	Amplification Kit										
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 1 - YSTR Results

XRH9YU 1	GlobalFiler™											
XU8CR2 1	GlobalFiler™							NR				
YKT2PZ 1	PowerPlex® Fusion 5C							NR				
ZZJ674 1	PowerPlex® Fusion							ND				

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 2 - YSTR Results

26DB8D	Yfiler®											
2		14	11,14	13	31	25	11	13	13	14		
		12	12	19		16	15					
								23		12		
2B3XWQ	Yfiler® Plus											
2		35	14	11,14	13	31	25	11	13	13	14	
		12	12	19	27	16	15	11	23		36	
			12		17,18	16		23	23		12	2
2DB77B	Yfiler®											
2		14	11,14	13	31	25	11	13	13	14		
		12	12	19		16	15					
								23		12		
2G72MP	Yfiler® YFiler Plus											
2		35	14	11,14	13	31	25	11	13	13	14	
		12	12	19	27	16	15	11	23		36	
			12		17,18	16		23	23		12	2
2NQ333	PowerPlex® Fusion											
2							11					
2QVL9B	Yfiler®											
2		14	11,14	13	31	25	11	13	13	14		
		12	12	19		16	15					
								23		12		
3DN26N	Yfiler® Plus											
2		35	14	11,14	13	31	25	11	13	13	14	
		12	12	19	27	16	15	11	23		36	
			12		17,18	16		23	23		12	2
3N384X	Yfiler®											
2		14	11,14	13	31	25	11	13	13	14		
		12	12	19		16	15					
								23		12		
3XNDUA	Yfiler®											
2		14	11,14	13	31	25	11	13	13	14		
		12	12	19		16	15					
								23		12		
4X6ZK3	PowerPlex® Y Y23, PowerPlex® Fusion											
2		14	11,14	13	31	25	11	13	13	14		
		12	12	19		16	15		23			
			12	12	17,18	16		23	10	12		
4ZC784	Yfiler®											
2		14	11,14	13	31	25	11	13	13	14		
		12	12	19		16	15					
								23		12	2	
696NEK	Yfiler® Plus, GlobalFiler™											
2		35	14	11,14	13	31	25	11	13	13	14	
		12	12	19	27	16	15	11	23		36	
			12		17,18	16		23	23		12	2

TABLE 3

WebCode	Amplification Kit										
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

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6FM6XM	GlobalFiler™										
2											11
											2
6L8FX6	PowerPlex® Y 23										
2	14	11,14	13	31	25	11	13	13	14		
											12
											12
											12
											17,18
											16
											23
											10
											12
76DA2U	Yfiler®										
2	-	14	11,14	13	31	25	11	13	13	14	
											12
											12
											19
											-
											16
											15
											-
											-
											23
											-
											12
											-
7ELLHY	Yfiler® Plus										
2	35	14	11,14	13	31	25	11	13	13	14	
											12
											12
											19
											27
											16
											15
											11
											23
											36
											12
											2
											17,18
											16
											23
											23
											12
											2
7FXFZJ	Yfiler®, GlobalFiler™, YFiler Plus										
2	35	14	11,14	13	31	25	11	13	13	14	
											12
											12
											19
											27
											16
											15
											11
											23
											36
											12
											2
											17,18
											16
											23
											23
											12
											2
7G9DD2	Yfiler®, GlobalFiler™										
2	14	11,14	13	31	25	11	13	13	14		
											12
											12
											19
											16
											15
											23
											12
											2
7LL4VP	PowerPlex® Fusion										
2											11
7NRJ72	Yfiler®										
2	14	11,14	13	31	25	11	13	13	14		
											12
											12
											19
											16
											15
											23
											12
7UED4Y	PowerPlex® Fusion										
2											11
7Z7JYP											
2											11
833NTK	Yfiler®, GlobalFiler™										
2	14	11,14	13	31	25	11	13	13	14		
											12
											12
											19
											16
											15
											23
											12
											2
8QBTYZ	Yfiler®										
2	14	11,14	13	31	25	11	13	13	14		
											12
											12
											19
											16
											15
											23
											12

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 2 - YSTR Results

8TAGWB	PowerPlex® Y 23									
2	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15		23			
	12	12	17,18	16			23	10	12	
9BCD7J	PowerPlex® Y 23, GlobalFiler™									
2	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15		23			
	12	12	17,18	16			23	10	12	2
9GJ2JK	PowerPlex® Y 23, GlobalFiler™									
2	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15		23			
	12	12	17,18	16			23	10	12	2
9M8Q4V	Yfiler®									
2	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15					
							23		12	
ABRWNV	Yfiler® Direct									
2	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15					
							23		12	2
ACBQGJ	Yfiler®									
2	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15					
							23		12	2
AGHJ32	Yfiler®									
2	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15					
							23		12	
AQ3X3X	Yfiler®									
2	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15					
							23		12	
B89JZD	PowerPlex® Fusion									
2						11				
BMN9NF	Yfiler®									
2	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15					
							23		12	2
BP8MRF	GlobalFiler™									
2						11				
										2
BT9HNC	Yfiler®									
2						11				

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

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BUKAKZ 2	Yfiler®	14	11,14	13	31	25	11	13	13	14
		12	12	19		16	15			
								23		12
C8ZWZB 2	PowerPlex® Fusion						11			
CDAXJU 2	PowerPlex® Fusion						11			
CLJLXR 2	PowerPlex® Fusion						11			
CLM644 2	PowerPlex® Fusion						11			
CMW3GL 2	PowerPlex® Y 23	14	11,14	13	31	25	11	13	13	14
		12	12	19		16	15		23	
		12	12	17,18	16			23	10	12
CYABWX 2	Yfiler®	14	11,14	13	31	25	11	13	13	14
		12	12	19		16	15			
								23		12
D6RYBZ 2	PowerPlex® Fusion 5C						11			
DA7GNB 2	PowerPlex® Fusion						11			
DEYJUW 2	Yfiler®	14	11,14	13	31	25	11	13	13	14
		12	12	19		16	15			
								23		12
DMUNLC 2	Yfiler® Plus	35	14	11,14	13	31	25	11	13	14
		12	12	19	27	16	15	11	23	36
		12		17,18	16			23	23	12
DTKYXV 2	Yfiler®	14	11,14	13	31	25	11	13	13	14
		12	12	19		16	15			
								23		12

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

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DXRL9C 2	Yfiler® Plus									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12			17,18	16		23	23		12 2
DZJKP 2	Yfiler® Plus Direct, Globalfiler Express									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12			17,18	16		23	23		12 2
ECAWCT 2	Yfiler® plus									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12			17,18	16		23	23		12
EG7AKC 2	GlobalFiler™									
							11			
										2
F7XBYF 2	PowerPlex® Fusion									
							11			
FDLQWY 2	Yfiler®									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
								23		12 2
FX6TRY 2	PowerPlex® Y 23, PowerPlex® Fusion									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15		23		
	12	12	17,18	16			23	10	12	
G3EL4A 2	GlobalFiler™									
							11			
										2
G4NHK8 2	Yfiler®, GlobalFiler™									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
								23		12 2
GJEK2B 2	Yfiler®, GlobalFiler™									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
								23		12 2
GKWCCG 2	Yfiler®, PowerPlex® Fusion (DYS391)									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
								23		12
GVUEEP 2	PowerPlex® Fusion									
							11			

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

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H2HAYU 2	Yfiler®	14	11,14	13	31	25	11	13	13	14
		12	12	19	16	15				
								23		12
H78YDC 2	PowerPlex® Y 23, GlobalFiler™	14	11,14	13	31	25	11	13	13	14
		12	12	19	16	15		23		
		12	12	17,18	16			23	10	12
HE3YR6 2	PowerPlex® Y Y23	14	11,14	13	31	25	11	13	13	14
		12	12	19	16	15		23		
		12	12	17,18	16			23	10	12
HEHBCV 2	Yfiler®	14	11,14	13	31	25	11	13	13	14
		12	12	19	16	15				
								23		12
HKPMMA 2	PowerPlex® Y 23	14	11,14	13	31	25	11	13	13	14
		12	12	19	16	15		23		
		12	12	17,18	16			23	10	12
HQZQNA 2	GlobalFiler™						11			
										2
HTP3GN 2	Yfiler®	14	11,14	13	31	25	11	13	13	14
		12	12	19	16	15				
								23		12
HXFG2P 2	Yfiler®	14	11,14	13	31	25	11	13	13	14
		12	12	19	16	15				
								23		12
HYPNZB 2	PowerPlex® Y 23, GlobalFiler™	14	11,14	13	31	25	11	13	13	14
		12	12	19	16	15		23		
		12	12	17,18	16			23	10	12
JZZTBE 2	Yfiler®, PowerPlex® Fusion (DYS391)	14	11,14	13	31	25	11	13	13	14
		12	12	19	16	15				
								23		12
K7MQLM 2	Yfiler®	14	11,14	13	31	25	11	13	13	14
		12	12	19	16	15				
								23		12
KCTNUR 2	Yfiler®	14	11,14	13	31	25	11	13	13	14
		12	12	19	16	15				
								23		12

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 2 - YSTR Results

PVL4CC	Yfiler®										
2	-	14	11,14	13	31	25	11	13	13	14	
	12	12	19	-	16	15	-	-	-	-	
	-	-	-	-	-	-	-	23	-	12	-
QFQW3H	Yfiler®										
2		14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15					
								23		12	2
R62URZ	PowerPlex® Y PPY23, GlobalFiler™										
2		14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15		23			
		12	12	17,18	16			23	10	12	2
R9N9KG	Yfiler®										
2		14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15					
								23		12	
RLAQ9E	PowerPlex® Fusion										
2							11				
RN3EVF	PowerPlex® Fusion 6C										
2							11				
				17,18	16						
RYYK8	Yfiler®, PowerPlex® Fusion (DYS391)										
2		14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15					
								23		12	
T8NRH4	Yfiler®, PowerPlex® Fusion (DYS391)										
2		14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15					
								23		12	
TCHP8U	PowerPlex® Y 23										
2		14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15		23			
		12	12	17,18	16			23	10	12	
TFG3QD	PowerPlex® Fusion										
2							11				
TFZPPV	PowerPlex® Fusion										
2							11				
U3TA7X	Yfiler®, GlobalFiler™										
2		14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15					
								23		12	2

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

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U62DUU										
2	11									
[Redacted]										
UDW79F	Yfiler®									
2	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
							23		12	
UPTBJZ	Yfiler®									
2	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
							23		12	2
UTKQH8	Yfiler®									
2	-	14	11,14	13	31	25	11	13	13	14
	12	12	19	-	16	15	-	-	-	-
	-	-	-	-	-	-	-	23	-	12
UVAX36	Yfiler®									
2	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
							23		12	
UWPAPF	Yfiler®									
2	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
							23		12	
VA37Y9	PowerPlex® Fusion									
2	11									
[Redacted]										
VCRDNC	Yfiler® Plus									
2	35,35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
		12		17	16		23	23		12
										2
VP2URW	Yfiler® Plus									
2	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
		12		17,18	16		23	23		12
										2
VRTXBV	GlobalFiler™									
2	11									
[Redacted]										
										2
W2RZ8C	Yfiler®, GlobalFiler™									
2	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
							23		12	2
WC9UEY	PowerPlex® Fusion									
2	11									
[Redacted]										

TABLE 3

WebCode	Amplification Kit										
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

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WM9FMJ	Qiagen Investigator 24 Plex QS										
2											11
WN38CA	PowerPlex® Y 23, PowerPlex® Fusion										
2	14	11-14	13	31	25	11	13	13	14		
	12	12	19	16	15	23					
	12	12	17-18	16	23	10	12				
WQREW8	PowerPlex® Fusion										
2											11
WRLBBT	GlobalFiler™										
2											11
											2
WVKJPB	PowerPlex® Fusion										
2											11
X8TRVZ	GlobalFiler™										
2											11
											2
X9HALZ	Yfiler®										
2	14	11,14	13	31	25	11	13	13	14		
	12	12	19	16	15	23	12				
XE8ML3	Yfiler®										
2	14	11,14	13	31	25	11	13	13	14		
	12	12	19	16	15	23	12				
XNZTMG											
2											11
											2
XRH9YU	GlobalFiler™										
2											11
											2
XTQCK6	Yfiler® Plus, Globalfiler Express (Y Indel)										
2	35	14	11,14	13	31	25	11	13	13	14	
	12	12	19	27	16	15	11	23	36		
	12	17,18	16	23	23	12	2				
XTTVQF	Yfiler®										
2	14	11,14	13	31	25	11	13	13	14		
	12	12	19	16	15	23	12				

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

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XU8CR2 2	PowerPlex® Y 23									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15	23				
	12	12	17,18	16		23	10	12		
Y3A7BR 2	Yfiler® Plus, GlobalFiler™									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12		17,18	16		23	23		12	2
YBPPVQ 2	Yfiler® Plus									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12		17,18	16		23	23		12	2
YKT2PZ 2	Yfiler®									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
							23		12	
YPNQ8R 2	Yfiler® PLUS, GlobalFiler™									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12		17,18	16		23	23		12	2
YQFPK6 2	Yfiler® Plus Direct, Globalfiler Express									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12		17,18	16		23	23		12	2
Z9E8AZ 2	Yfiler®									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
							23		12	
Z9WD9Q 2	Yfiler® Plus, GlobalFiler™									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12		17,18	16		23	23		12	2
ZBLKTM 2	PowerPlex® Y Y23, PowerPlex® Fusion									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15	23				
	12	12	17,18	16		23	10	12		
ZNRLGQ 2	Yfiler®									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
							23		12	2
ZZJ674 2	PowerPlex® Fusion									
						11				

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

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6L8FX6	PowerPlex® Y 23									
3	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17		22			
	12	12	18	19			23	10	11	
CYABWX	Yfiler®									
3	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17					
							23		11	

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3e - YSTR Results

26DB8D 3e	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11
2B3XWQ 3e	Yfiler® Plus									
	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22		39
		12		18	19		21	23		11
										2
2DB77B 3e	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11
2G72MP 3e	Yfiler® YFiler Plus									
	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22		39
		12		18	19		21	23		11
										2
2NQ333 3e	PowerPlex® Fusion									
							11			
2QVL9B 3e	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11
3DN26N 3e	Yfiler® Plus									
	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22		39
		12		18	19		21	23		11
										2
3N384X 3e	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11
3XNDUA 3e	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11
4X6ZK3 3e	PowerPlex® Y Y23, PowerPlex® Fusion									
		NT	NT	NT	NT	NT	11	NT	NT	NT
	NT	NT	NT		NT	NT		NT		
		NT	NT	NT	NT			NT	NT	NT
4ZC784 3e	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11
										2
696NEK 3e	Yfiler® Plus, GlobalFiler™									
	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22		39
		12		18	19		21	23		11
										2

TABLE 3

WebCode	Amplification Kit										
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 3e - YSTR Results

6FM6XM	GlobalFiler™										
3e											11
											2
76DA2U	Yfiler®										
3e	-	14	11,15	14	30	25	11	13	13	14	
											12
											12
											23
											11
											-
7ELLHY	Yfiler® Plus										
3e	35,36	14	11,15	14	30	25	11	13	13	14	
											12
											12
											18
											19
											21
											23
											11
											2
7FXFZJ	Yfiler®, GlobalFiler™, YFiler Plus										
3e	35,36	14	11,15	14	30	25	11	13	13	14	
											12
											12
											18
											19
											21
											23
											11
											2
7G9DD2	Yfiler®, GlobalFiler™										
3e		14	11,15	14	30	25	11	13	13	14	
											12
											12
											18
											16
											17
											23
											11
											2
7LL4VP	PowerPlex® Fusion										
3e											11
7NRJ72	Yfiler®										
3e		14	11,15	14	30	25	11	13	13	14	
											12
											12
											16
											17
											23
											11
7UED4Y	PowerPlex® Fusion										
3e											11
7Z7JYP	PowerPlex® Fusion										
3e											11
833NTK	Yfiler®, GlobalFiler™										
3e		14	11,15	14	30	25	11	13	13	14	
											12
											12
											18
											16
											17
											23
											11
											2
8QBTYZ	Yfiler®										
3e		14	11,15	14	30	25	11	13	13	14	
											12
											12
											18
											16
											17
											23
											11
8TAGWB	PowerPlex® Y 23										
3e		14	11,15	14	30	25	11	13	13	14	
											12
											12
											18
											16
											17
											22
											12
											12
											18
											19
											23
											10
											11

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3e - YSTR Results

9BCD7J	PowerPlex® Y 23, GlobalFiler™									
3e	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17		22			
	12	12	18	19			23	10	11	2
9GJ2JK	PowerPlex® Y 23, GlobalFiler™									
3e	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17		22			
	12	12	18	19			23	10	11	2
9M8Q4V	Yfiler®									
3e	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17					
							23		11	
ABRWNV	Yfiler®									
3e	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17					
							23		11	
ACBQGJ	Yfiler®									
3e						11				
										2
AGHJ32	Yfiler®									
3e	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17					
							23		11	
AQ3X3X	Yfiler®									
3e	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17					
							23		11	
B89JZD	PowerPlex® Fusion									
3e						[11]				
BMN9NF	Yfiler®									
3e	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17					
							23		11	2
BP8MRF	GlobalFiler™									
3e						11				
										2
BT9HNC	Yfiler®									
3e						11				
BUKAKZ	Yfiler®									
3e	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17					
							23		11	

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3e - YSTR Results

C8ZWZB 3e	PowerPlex® Fusion	[11]									
CDAXJU 3e	PowerPlex® Fusion	11									
CLJLXR 3e	PowerPlex® Fusion	11									
CLM644 3e	PowerPlex® Fusion	11									
CMW3GL 3e	PowerPlex® Y 23										
D6RYBZ 3e	PowerPlex® Fusion 5C	11									
DA7GNB 3e	PowerPlex® Fusion	11									
DEYJUW 3e	Yfiler®	14	11,15	14	30	25	11	13	13	14	
		12	13	18	16	17					
								23		11	
DMUNLC 3e	Yfiler® Plus	35,36	14	11,15	14	30	25	11	13	13	14
		12	13	18	32	16	17	12	22		39
			12		18	19		21	23		11
DTKYXV 3e	Yfiler®	14	11,15	14	30	25	11	13	13	14	
		12	13	18	16	17					
								23		11	
DXRL9C 3e	Yfiler® Plus	35,36	14	11,15	14	30	25	11	13	13	14
		12	13	18	32	16	17	12	22		39
			12		18	19		21	23		11
											2
DZJKKP 3e	Yfiler® Plus, GlobalFiler™	35,36	14	11,15	14	30	25	11	13	13	14
		12	13	18	32	16	17	12	22		39
			12		18	19		21	23		11
											2

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3e - YSTR Results

ECAWCT	Yfiler® plus									
3e	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22		39
		12		18	19		21	23		11
EG7AKC	GlobalFiler™									
3e							11			
										2
F7XBYF	PowerPlex® Fusion									
3e							11			
FDLQWY	Yfiler®									
3e		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11
										2
FX6TRY	PowerPlex® Y 23, PowerPlex® Fusion									
3e							11			
G3EL4A	GlobalFiler™									
3e							11			
										2
G4NHK8	Yfiler®, GlobalFiler™									
3e										
										2
GJEK2B	Yfiler®, GlobalFiler™									
3e		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11
										2
GKWCCG	Yfiler®, PowerPlex® Fusion (DYS391)									
3e		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11
GVUEEP	PowerPlex® Fusion									
3e							11			
H2HAYU	Yfiler®									
3e		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11
H78YDC	PowerPlex® Y 23, GlobalFiler™									
3e		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17		22		
		12	12	18	19			23	10	11
										2

TABLE 3

WebCode	Amplification Kit										
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 3e - YSTR Results

LA4HAV 3e	PowerPlex® Fusion										
	11										
LEVQCF 3e	Yfiler®										
	-	14	11,15	14	30	25	11	13	13	14	
	12	13	18	-	16	17	-	-	-	-	
	-	-	-	-	-	-	-	23	-	11	-
LULTTK 3e	PowerPlex® Fusion										
	[11]										
M47KRG 3e	Yfiler®										
		14	11,15	14	30	25	11	13	13	14	
	12	13	18		16	17					
								23		11	
M6XJVV 3e	PowerPlex® Y 23										
		14	11,15	14	30	25	11	13	13	14	
	12	13	18		16	17		22			
		12	12	18	19			23	10	11	
NCDGCE 3e	Yfiler® Plus, GlobalFiler™										
	35,36	14	11,15	14	30	25	11	13	13	14	
	12	13	18	32	16	17	12	22		39	
		12		18	19		21	23		11	2
NKU3BA 3e	PowerPlex® Y 23										
PG3F3E 3e	Yfiler®										
		14	11,15	14	30	25	11	13	13	14	
	12	13	18		16	17					
								23		11	
PG9NEM 3e	Yfiler®										
		14	11,15	14	30	25	11	13	13	14	
	12	13	18		16	17					
								23		11	
PTHGPZ 3e	GlobalFiler™										
	11										
	2										
PVL4CC 3e	Yfiler®										
	-	14	11,15	14	30	25	11	13	13	14	
	12	13	18	-	16	17	-	-	-	-	
	-	-	-	-	-	-	-	23	-	11	-
QFQW3H 3e	Yfiler®										
		14	11,15	14	30	25	11	13	13	14	
	12	13	18		16	17					
								23		11	2

TABLE 3

WebCode	Amplification Kit										
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 3e - YSTR Results

R62URZ	PowerPlex® Y PPY23, GlobalFiler™										
3e	14	11,15	14	30	25	11	13	13	14		
	12	13	18	16	17		22				
	12	12	18	19			23	10	11	2	
R9N9KG	Yfiler®										
3e	14	11,15	14	30	25	11	13	13	14		
	12	13	18	16	17						
							23		11		
RLAQ9E	PowerPlex® Fusion										
3e						11					
RN3EVF	PowerPlex® Fusion 6C										
3e							11				
			18	19							
RYYK8	Yfiler®, PowerPlex® Fusion (DYS391)										
3e	14	11,15	14	30	25	11	13	13	14		
	12	13	18	16	17						
							23		11		
T8NRH4	Yfiler®, PowerPlex® Fusion (DYS391)										
3e	14	11,15	14	30	25	11	13	13	14		
	12	13	18	16	17						
							23		11		
TCHP8U	PowerPlex® Y 23										
3e	14	11,15	14	30	25	11	13	13	14		
	12	13	18	16	17		22				
	12	12	18	19			23	10	11		
TFG3QD	PowerPlex® Fusion										
3e						11					
TFZPPV	PowerPlex® Fusion 5C										
3e						(11)					
U3TA7X	Yfiler®, GlobalFiler™										
3e	14	11,15	14	30	25	11	13	13	14		
	12	13	18	16	17						
							23		11	2	
U62DUU	PowerPlex® Fusion										
3e						11					
UPTBJZ	Yfiler®										
3e						11					

TABLE 3

WebCode	Amplification Kit										
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 3e - YSTR Results

UTKQH8	Yfiler®										
3e	-	14	11,15	14	30	25	11	13	13	14	
	12	13	18	-	16	17	-	-	-	-	
	-	-	-	-	-	-	-	23	-	11	-
UVAX36	Yfiler®										
3e		14	11,15	14	30	25	11	13	13	14	
	12	13	18		16	17					
								23		11	
UWPAPF	Yfiler®										
3e		14	11,15	14	30	25	11	13	13	14	
	12	13	18		16	17					
								23		11	
VA37Y9	PowerPlex® Fusion										
3e							11				
VCRDNC	Yfiler® Plus, GlobalFiler™										
3e							NA				
											NA
VP2URW	Yfiler® Plus										
3e	35,36	14	11,15	14	30	25	11	13	13	14	
	12	13	18	32	16	17	12	22		39	
		12		18	19		21	23		11	2
VRTXBV	GlobalFiler™										
3e							11				
											2
W2RZ8C	Yfiler®, GlobalFiler™										
3e		14	11,15	14	30	25	11	13	13	14	
	12	13	18		16	17					
								23		11	2
WC9UEY	PowerPlex® Fusion										
3e							11				
WM9FMJ	Qiagen Investigator 24 Plex QS										
3e							11				
WN38CA	PowerPlex® Y 23, PowerPlex® Fusion										
3e		nt	nt	nt	nt	nt	11	nt	nt	nt	
	nt	nt	nt	nt	nt	nt		nt			
		nt	nt	nt	nt			nt	nt	nt	
WQREW8	PowerPlex® Fusion										
3e							11				

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3e - YSTR Results

WRLBBT 3e	GlobalFiler™									
	11									
	2									
WVKJPB 3e	PowerPlex® Fusion									
	11									
X8TRVZ 3e	GlobalFiler™									
	11									
	2									
X9HALZ 3e	Yfiler®									
	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17					
								23	11	
XE8ML3 3e	Yfiler®									
	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17					
								23	11	
XNZTMG 3e	Yfiler®									
	11									
	2									
XRH9YU 3e	GlobalFiler™									
	11									
	2									
XTQCK6 3e	Yfiler® Plus, GlobalFiler™									
	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22		39
		12		18	19		21	23		11
										2
XTTVQF 3e	Yfiler®									
	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17					
								23	11	
XU8CR2 3e	PowerPlex® Y 23									
Y3A7BR 3e	Yfiler® Plus, GlobalFiler™									
	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22		39
		12		18	19		21	23		11
										2
YBPPVQ 3e	Yfiler® Plus									
	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22		39
		12		18	19		21	23		11
										2

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3e - YSTR Results

YKT2PZ 3e	Yfiler®									
	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17					
								23		11
YPNQ8R 3e	Yfiler® PLUS, GlobalFiler™									
	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22		39
		12	18	19		21	23			11
										2
YQFPK6 3e	Yfiler® Plus, GlobalFiler™									
	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22		39
		12	18	19		21	23			11
										2
Z9E8AZ 3e	Yfiler®									
	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17					
								23		11
Z9WD9Q 3e	Yfiler® Plus, GlobalFiler™									
	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22		39
		12	18	19		21	23			11
										2
ZBLKTM 3e	PowerPlex® Y Y23, PowerPlex® Fusion									
	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17		22			
	12	12	18	19			23	10	11	
ZNRLGQ 3e	Yfiler®									
										11
										2
ZZJ674 3e	PowerPlex® Fusion									
										11

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3sp - YSTR Results

26DB8D	Yfiler®	14	11,15	14	30	25	11	13	13	14	
		12	13	18	16	17					
								23		11	
2B3XWQ	Yfiler® Plus	35,36	14	11,15	14	30	25	11	13	13	14
		12	13	18	32	16	17	12	22		39
			12		18	19		21	23		11
2DB77B	Yfiler®	14	11,15	14	30	25	11	13	13	14	
		12	13	18	16	17					
								23		11	
2G72MP	Yfiler® YFiler Plus	35,36	14	11,15	14	30	25	11	13	13	14
		12	13	18	32	16	17	12	22		39
			12		18	19		21	23		11
2NQ333	PowerPlex® Fusion						11				
2QVL9B	Yfiler®	14	11,15	14	30	25	11	13	13	14	
		12	13	18	16	17					
								23		11	
3DN26N	Yfiler® Plus	35,36	14	11,15	14	30	25	11	13	13	14
		12	13	18	32	16	17	12	22		39
			12		18	19		21	23		11
3N384X	Yfiler®	14	11,15	14	30	25	11	13	13	14	
		12	13	18	16	17					
								23		11	
3XNDUA	Yfiler®	14	11,15	14	30	25	11	13	13	14	
		12	13	18	16	17					
								23		11	
4X6ZK3	PowerPlex® Y Y23, PowerPlex® Fusion	14	11,15	14	30	25	11	13	13	14	
		12	13	18	16	17		22			
			12	12	18	19		23	10	11	
4ZC784	Yfiler®	14	11,15	14	30	25	11	13	13	14	
		12	13	18	16	17					
								23		11	2
696NEK	Yfiler® Plus, GlobalFiler™	35,36	14	11,15	14	30	25	11	13	13	14
		12	13	18	32	16	17	12	22		39
			12		18	19		21	23		11

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3sp - YSTR Results

6FM6XM	GlobalFiler™									
3sp	11									
	2									
76DA2U	Yfiler®									
3sp	-	14	11,15	14	30	25	11	13	13	14
	12	13	18	-	16	17	-	-	-	-
	-	-	-	-	-	-	-	23	-	11
7ELLHY	Yfiler® Plus									
3sp	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22		39
		12		18	19		21	23		11
										2
7FXFZJ	Yfiler®, GlobalFiler™, YFiler Plus									
3sp	2									
7G9DD2	Yfiler®, GlobalFiler™									
3sp		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11
										2
7LL4VP	PowerPlex® Fusion									
3sp	11									
7NRJ72	Yfiler®									
3sp		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11
7UED4Y	PowerPlex® Fusion									
3sp	11									
7Z7JYP	PowerPlex® Fusion									
3sp	11									
833NTK	Yfiler®, GlobalFiler™									
3sp		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11
										2
8QBTYZ	Yfiler®									
3sp		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11
8TAGWB	PowerPlex® Y 23									
3sp		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17		22		
		12	12	18	19			23	10	11

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3sp - YSTR Results

9BCD7J 3sp	PowerPlex® Y 23, GlobalFiler™									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17		22		
	12	12	18		19			23	10	11 2
9GJ2JK 3sp	PowerPlex® Y 23, GlobalFiler™									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17		22		
	12	12	18		19			23	10	11 2
9M8Q4V 3sp	Yfiler®									
							11			
ABRWNV 3sp	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11
ACBQGJ 3sp	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11 2
AGHJ32 3sp	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11
AQ3X3X 3sp	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11
B89JZD 3sp	PowerPlex® Fusion									
							11			
BMN9NF 3sp	Yfiler®									
		14	11,[12],15	14	30	[24],25	11	13	13	14
	12	13	18		16	17				
								23,[24]		11 2
BP8MRF 3sp	GlobalFiler™									
							11			
										2
BT9HNC 3sp	Yfiler®									
							11			
BUKAKZ 3sp	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3sp - YSTR Results

C8ZWZB	PowerPlex® Fusion									
3sp	11									
CDAXJU	PowerPlex® Fusion									
3sp	11									
CLJLXR	PowerPlex® Fusion									
3sp	11									
CLM644	PowerPlex® Fusion									
3sp	11									
CMW3GL	PowerPlex® Y 23									
3sp	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17	22				
	12	12	18	19		23	10	11		
D6RYBZ	PowerPlex® Fusion 5C									
3sp	11									
DA7GNB	PowerPlex® Fusion									
3sp	11									
DEYJUW	Yfiler®									
3sp	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17					
							23		11	
DMUNLC	Yfiler® Plus									
3sp	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22	39	
	12		18	19		21	23		11	
DTKYXV	Yfiler®									
3sp	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17					
							23		11	
DXRL9C	Yfiler® Plus									
3sp	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22	39	
	12		18	19		21	23		11	2
DZJKKP	Yfiler® Plus, GlobalFiler™									
3sp	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22	39	
	12		18	19		21	23		11	2

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3sp - YSTR Results

ECAWCT 3sp	Yfiler® plus									
	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22		39
		12		18	19		21	23		11
EG7AKC 3sp	GlobalFiler™									
	11									
	2									
F7XBYF 3sp	PowerPlex® Fusion									
	11									
FDLQWY 3sp	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
							23		11	2
FX6TRY 3sp	PowerPlex® Y 23, PowerPlex® Fusion									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17		22		
		12	12	18	19		23	10	11	
G3EL4A 3sp	GlobalFiler™									
	11									
	2									
G4NHK8 3sp	Yfiler®, GlobalFiler™									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
							23		11	2
GJEK2B 3sp	Yfiler®, GlobalFiler™									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
							23		11	2
GKWCCG 3sp	Yfiler®, PowerPlex® Fusion (DYS391)									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
							23		11	
GVUEEP 3sp	PowerPlex® Fusion									
	11									
H2HAYU 3sp	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
							23		11	
H78YDC 3sp	PowerPlex® Y 23, GlobalFiler™									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17		22		
		12	12	18	19		23	10	11	2

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3sp - YSTR Results

HE3YR6 3sp	PowerPlex® Y Y23									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17		22		
	12	12	18	19			23	10	11	
HEHBCV 3sp	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
							23		11	
HKPMMA 3sp	PowerPlex® Y 23									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17		22		
	12	12	18	19			23	10	11	
HQZQNA 3sp	GlobalFiler™									
							11			
										2
HTP3GN 3sp	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
							23		11	
HXFG2P 3sp	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
							23		11	
HYPNZB 3sp	PowerPlex® Y 23, GlobalFiler™									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17		22		
	12	12	18	19			23	10	11	2
JZZTBE 3sp	Yfiler®, PowerPlex® Fusion (DYS391)									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
							23		11	
K7MQLM 3sp	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
							23		11	
KCTNUR 3sp	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
							23		11	
KMT28L 3sp	PowerPlex® Fusion									
							11			
KX4TAL 3sp	PowerPlex® Fusion									
							11			

TABLE 3

WebCode	Amplification Kit										
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 3sp - YSTR Results

LA4HAV	PowerPlex® Fusion										
3sp	11										
LEVQCF	Yfiler®										
3sp	-	14	11,15	14	30	25	11	13	13	14	
	12	13	18	-	16	17	-	-	-	-	
	-	-	-	-	-	-	-	23	-	11	-
LULTTK	PowerPlex® Fusion										
3sp	11										
M47KRG	Yfiler®										
3sp		14	11,15	14	30	25	11	13	13	14	
	12	13	18		16	17					
								23		11	
M6XJVV	PowerPlex® Y 23										
3sp		14	11,15	14	30	25	11	13	13	14	
	12	13	18		16	17		22			
		12	12	18	19			23	10	11	
NCDGCE	Yfiler® Plus, GlobalFiler™										
3sp	35,36	14	11,15	14	30	25	11	13	13	14	
	12	13	18	32	16	17	12	22		39	
		12		18	19		21	23		11	2
NKU3BA	PowerPlex® Y 23										
3sp		14	11,15	14	30	25	11	13	13	14	
	12	13	18		16	17		22			
		12	12	18	19			23	10	11	
PG3F3E	Yfiler®										
3sp		14	11,15	14	30	25	11	13	13	14	
	12	13	18		16	17					
								23		11	
PG9NEM	Yfiler®										
3sp		14	11,15	14	30	25	11	13	13	14	
	12	13	18		16	17					
								23		11	
PTHGPZ	GlobalFiler™										
3sp	11										
	2										
PVL4CC	Yfiler®										
3sp	-	14	11,15	14	30	25	11	13	13	14	
	12	13	18	-	16	17	-	-	-	-	
	-	-	-	-	-	-	-	23	-	11	-
QFQW3H	Yfiler®										
3sp		14	11,15	14	30	25	11	13	13	14	
	12	13	18		16	17					
								23		11	2

TABLE 3

WebCode	Amplification Kit										
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 3sp - YSTR Results

R62URZ	PowerPlex® Y PPY23, GlobalFiler™										
3sp	14	11,15	14	30	25	11	13	13	14		
	12	13	18	16	17		22				
	12	12	18	19			23	10	11	2	
R9N9KG	Yfiler®										
3sp	14	11,15	14	30	25	11	13	13	14		
	12	13	18	16	17						
							23		11		
RLAQ9E	PowerPlex® Fusion										
3sp						11					
RN3EVF	PowerPlex® Fusion 6C										
3sp							11				
			18	19							
RYYK8	Yfiler®, PowerPlex® Fusion (DYS391)										
3sp	14	11,15	14	30	25	11	13	13	14		
	12	13	18	16	17						
							23		11		
T8NRH4	Yfiler®, PowerPlex® Fusion (DYS391)										
3sp	14	11,15	14	30	25	11	13	13	14		
	12	13	18	16	17						
							23		11		
TCHP8U	PowerPlex® Y 23										
3sp	14	11,15	14	30	25	11	13	13	14		
	12	13	18	16	17		22				
	12	12	18	19			23	10	11		
TFG3QD	PowerPlex® Fusion										
3sp						11					
TFZPPV	PowerPlex® Fusion 5C										
3sp							11				
U3TA7X	Yfiler®, GlobalFiler™										
3sp	14	11,15	14	30	25	11	13	13	14		
	12	13	18	16	17						
							23		11	2	
U62DUU	PowerPlex® Fusion										
3sp							11				
UDW79F	Yfiler®										
3sp	14	11,15	14	30	25	11	13	13	14		
	12	13	18	16	17						
							23		11		

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3sp - YSTR Results

UPTBJZ	Yfiler®										
3sp	14	11,15	14	30	25	11	13	13	14		
	12	13	18	16	17						
							23		11	2	
UTKQH8	Yfiler®										
3sp	-	14	11,15	14	30	25	11	13	13	14	
	12	13	18	-	16	17	-	-	-	-	
	-	-	-	-	-	-	-	23	-	11	-
UVAX36	Yfiler®										
3sp	14	11,15	14	30	25	11	13	13	14		
	12	13	18	16	17						
							23		11		
UWPAPF	Yfiler®										
3sp	14	11,15	14	30	25	11	13	13	14		
	12	13	18	16	17						
							23		11		
VA37Y9	PowerPlex® Fusion										
3sp						11					
VCRDNC	Yfiler® Plus, GlobalFiler™										
3sp	35,36	14	11,15	14	30	25	11	13	13	14	
	12	13	18	32	16	17	12	22		39	
		12		18	19		21	23		11	2
VP2URW	Yfiler® Plus										
3sp	35,36	14	11,15	14	30	25	11	13	13	14	
	12	13	18	32	16	17	12	22		39	
		12		18	19		21	23		11	2
VRTXBV	GlobalFiler™										
3sp						11					
											2
W2RZ8C	Yfiler®, GlobalFiler™										
3sp	14	11,15	14	30	25	11	13	13	14		
	12	13	18	16	17						
							23		11	2	
WC9UEY	PowerPlex® Fusion										
3sp						11					
WM9FMJ	Qiagen Investigator 24 Plex QS										
3sp						11					
WN38CA	PowerPlex® Y 23, PowerPlex® Fusion										
3sp	14	11-15	14	30	25	11	13	13	14		
	12	13	18	16	17		22				
		12	12	18	19		23	10	11		

TABLE 3

WebCode	Amplification Kit										
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 3sp - YSTR Results

WQREW8	PowerPlex® Fusion									
3sp	11									
<hr/>										
WRLBBT	GlobalFiler™									
3sp	11									
<hr/>										
WVKJPB	PowerPlex® Fusion									
3sp	11									
<hr/>										
X8TRVZ	GlobalFiler™									
3sp	11									
<hr/>										
X9HALZ	Yfiler®									
3sp	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17					
<hr/>										
XE8ML3	Yfiler®									
3sp	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17					
<hr/>										
XNZTMG										
3sp	11									
<hr/>										
XRH9YU	GlobalFiler™									
3sp	11									
<hr/>										
XTQCK6	Yfiler® Plus, GlobalFiler™									
3sp	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22		39
		12		18	19		21	23		11
<hr/>										
XTTVQF	Yfiler®									
3sp	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17					
<hr/>										
XU8CR2	PowerPlex® Y 23									
3sp	14	11,15	14	30	25	11	13	13	14	
	12	13	18	16	17		22			
		12	12	18	19		23	10	11	
<hr/>										
Y3A7BR	Yfiler® Plus, GlobalFiler™									
3sp	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22		39
		12		18	19		21	23		11
<hr/>										

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 3sp - YSTR Results

YBPPVQ 3sp	Yfiler® Plus									
	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22	39	
	12			18	19		21	23		11 2
YKT2PZ 3sp	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11
YPNQ8R 3sp	Yfiler® PLUS, GlobalFiler™									
	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22	39	
	12			18	19		21	23		11 2
YQFPK6 3sp	Yfiler® Plus, GlobalFiler™									
	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22	39	
	12			18	19		21	23		11 2
Z9E8AZ 3sp	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11
Z9WD9Q 3sp	Yfiler® Plus, GlobalFiler™									
	35,36	14	11,15	14	30	25	11	13	13	14
	12	13	18	32	16	17	12	22	39	
	12			18	19		21	23		11 2
ZBLKTM 3sp	PowerPlex® Y Y23, PowerPlex® Fusion									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17		22		
	12	12	18	19			23	10	11	
ZNRLGQ 3sp	Yfiler®									
		14	11,15	14	30	25	11	13	13	14
	12	13	18		16	17				
								23		11 2
ZZJ674 3sp	PowerPlex® Fusion									
							11			

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4 - YSTR Results

6L8FX6	PowerPlex® Y 23									
4	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15		23			
	12	12	17,18	16			23	10	12	
CYABWX	Yfiler®									
4	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
							23		12	

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4e - YSTR Results

26DB8D 4e	Yfiler®									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
							23		12	
2B3XWQ 4e	Yfiler® Plus									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
		12	17,18	16		23	23		12	2
2DB77B 4e	Yfiler®									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
							23		12	
2G72MP 4e	Yfiler® YFiler Plus									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
		12	17,18	16		23	23		12	2
2NQ333 4e	PowerPlex® Fusion									
							11			
2QVL9B 4e	Yfiler®									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
							23		12	
3DN26N 4e	Yfiler® Plus									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
		12	17,18	16		23	23		12	2
3N384X 4e	Yfiler®									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
							23		12	
3XNDUA 4e	Yfiler®									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
							23		12	
4X6ZK3 4e	PowerPlex® Y Y23, PowerPlex® Fusion									
	NT	NT	NT	NT	NT	NT	11	NT	NT	NT
	NT	NT	NT	NT	NT	NT		NT		
		NT	NT	NT	NT		NT	NT	NT	
4ZC784 4e	Yfiler®									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
							23		12	2
696NEK 4e	Yfiler® Plus, GlobalFiler™									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
		12	17,18	16		23	23		12	2

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4e - YSTR Results

6FM6XM 4e	GlobalFiler™									
	11									
	2									
76DA2U 4e	Yfiler®									
	-	14	11,14	13	31	25	11	13	13	14
	12	12	19	-	16	15	-	-	-	-
	-	-	-	-	-	-	-	23	-	12
7ELLHY 4e	Yfiler® Plus									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
		12		17,18	16		23	23		12
										2
7FXFZJ 4e	GlobalFiler™									
	11									
	2									
7G9DD2 4e	Yfiler®, GlobalFiler™									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
								23		12
										2
7LL4VP 4e	PowerPlex® Fusion									
	11									
	2									
7NRJ72 4e	Yfiler®									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
								23		12
7UED4Y 4e	PowerPlex® Fusion									
	11									
	2									
7Z7JYP 4e	PowerPlex® Fusion									
	11									
	2									
833NTK 4e	Yfiler®, GlobalFiler™									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
								23		12
										2
8QBTYZ 4e	Yfiler®									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
								23		12
8TAGWB 4e	PowerPlex® Y 23									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15		23		
		12	12	17,18	16			23	10	12

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4e - YSTR Results

9BCD7J	PowerPlex® Y 23, GlobalFiler™									
4e	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15		23			
	12	12	17,18	16			23	10	12	2
9GJ2JK	PowerPlex® Y 23, GlobalFiler™									
4e	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15		23			
	12	12	17,[18]	16			23	10	12	2
9M8Q4V	Yfiler®									
4e	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15					
							23		12	
ABRWNV	Yfiler®									
4e	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15					
							23		12	
ACBQGJ	Yfiler®									
4e						11				
										2
AGHJ32	Yfiler®									
4e	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15					
							23		12	
AQ3X3X	Yfiler®									
4e	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15					
							23		12	
B89JZD	PowerPlex® Fusion									
4e						11				
										2
BMN9NF	Yfiler®									
4e	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15					
							23		12	2
BP8MRF	GlobalFiler™									
4e						11				
										2
BT9HNC	Yfiler®									
4e						11				
										2
BUKAKZ	Yfiler®									
4e	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15					
							23		12	

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4e - YSTR Results

C8ZWZB 4e	PowerPlex® Fusion	11									
CDAXJU 4e	PowerPlex® Fusion	11									
CLJLXR 4e	PowerPlex® Fusion	11									
CLM644 4e	PowerPlex® Fusion	11									
CMW3GL 4e	PowerPlex® Y 23										
D6RYBZ 4e	PowerPlex® Fusion 5C	11									
DA7GNB 4e	PowerPlex® Fusion	11									
DEYJUW 4e	Yfiler®	14	11,14	13	[31]	25	11	13	13	14	
		12	[12]	19	16	15					
								23		12	
DMUNLC 4e	Yfiler® Plus	35	14	11,14	13	31	25	11	13	13	14
		12	12	19	27	16	15	11	23		36
			12		17,18	16		23	23		12
DTKYXV 4e	Yfiler®	14	11,14	13	31	25	11	13	13	14	
		12	12	19	16	15					
								23		12	
DXRL9C 4e	Yfiler® Plus	35	14	11,14	13	31	25	11	13	13	14
		12	12	19	27	16	15	11	23		36
			12		17,18	16		23	23		12
											2
DZJKKP 4e	Yfiler® Plus, GlobalFiler™	35	14	11,14	13	31	25	11	13	13	14
		12	12	19	27	16	15	11	23		36
			12		17,18	16		23	23		12
											2

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4e - YSTR Results

ECAWCT 4e	Yfiler® plus									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12			17,18	16		23	23		12
EG7AKC 4e	GlobalFiler™									
							11			
										2
F7XBYF 4e	PowerPlex® Fusion									
							11			
FDLQWY 4e	Yfiler®									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
								23		12
										2
FX6TRY 4e	PowerPlex® Y 23, PowerPlex® Fusion									
							11			
G3EL4A 4e	GlobalFiler™									
							11			
										2
G4NHK8 4e	Yfiler®, GlobalFiler™									
										2
GJEK2B 4e	Yfiler®, GlobalFiler™									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
								23		12
										2
GKWCCG 4e	Yfiler®, PowerPlex® Fusion (DYS391)									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
								23		12
GVUEEP 4e	PowerPlex® Fusion									
							11			
H2HAYU 4e	Yfiler®									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
								23		12
H78YDC 4e	PowerPlex® Y 23, GlobalFiler™									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15		23		
		12	12	17,18	16			23	10	12

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4e - YSTR Results

HE3YR6	PowerPlex® Y Y23									
4e	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15		23			
	12	12	17,18	16			23	10	12	
HEHBCV	PowerPlex® Y Y23									
4e	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15		23			
							23		12	
HQZQNA	GlobalFiler™									
4e	11									
	2									
HTP3GN	Yfiler®									
4e	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15		23			
							23		12	
HXFG2P	Yfiler®									
4e	14	INC	NR	INC	25	11	13	13	14	
	12	12	19	16	15		23			
							23		12	
HYPNZB	PowerPlex® Y 23, GlobalFiler™									
4e	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15		23			
	12	12	17,18	16			23	10	12	2
JZZTBE	Yfiler®, PowerPlex® Fusion (DYS391)									
4e	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15		23			
							23		12	
K7MQLM	Yfiler®									
4e	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15		23			
							23		12	
KCTNUR	Yfiler®									
4e	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15		23			
							23		12	
KMT28L	PowerPlex® Fusion									
4e	11									
KX4TAL	PowerPlex® Fusion									
4e	11									
LA4HAV	PowerPlex® Fusion									
4e	11									

TABLE 3

WebCode	Amplification Kit										
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 4e - YSTR Results

R9N9KG	Yfiler®											
4e		14	11,14	13	31	25	11	13	13	14		
		12	12	19		16	15					
								23		12		
RLAQ9E	PowerPlex® Fusion						11					
4e												
RN3EVF	PowerPlex® Fusion 6C						11					
4e												
				17,18	16							
RYYK8	Yfiler®, PowerPlex® Fusion (DYS391)											
4e		14	11,14	13	31	25	11	13	13	14		
		12	12	19		16	15					
								23		12		
T8NRH4	Yfiler®, PowerPlex® Fusion (DYS391)											
4e		14	11,14	13	31	25	11	13	13	14		
		12	12	19		16	15					
								23		12		
TCHP8U	PowerPlex® Y 23											
4e		14	11,14	13	31	25	11	13	13	14		
		12	12	19		16	15		23			
		12	12	17,18	16			23	10	12		
TFG3QD	PowerPlex® Fusion						11					
4e												
TFZPPV	PowerPlex® Fusion 5C						11					
4e												
U3TA7X	Yfiler®, GlobalFiler™											
4e		14	11,14	13	31	25	11	13	13	14		
		12	12	19		16	15					
								23		12	2	
U62DUU							11					
4e												
UPTBJZ	Yfiler®						11					
4e												
												2
UTKQH8	Yfiler®											
4e		-	14	11,14	13	31	25	11	13	13	14	
		12	12	19	-	16	15	-	-	-	-	
		-	-	-	-	-	-	-	23	-	12	-

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4e - YSTR Results

UVAX36	Yfiler®									
4e	14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15				
								23		12
UWPAPF	Yfiler®									
4e	14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15				
								23		12
VA37Y9	PowerPlex® Fusion									
4e						11				
VCRDNC	Yfiler® Plus, GlobalFiler™									
4e							NA			
										NA
VP2URW	Yfiler® Plus									
4e	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
		12		17,18	16		23	23		12
										2
VRTXBV	GlobalFiler™									
4e						11				
										2
W2RZ8C	Yfiler®, GlobalFiler™									
4e	14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15				
								23		12
										2
WC9UEY	PowerPlex® Fusion									
4e						11				
WM9FMJ	Qiagen Investigator 24 Plex QS									
4e						11				
WN38CA	PowerPlex® Y 23, PowerPlex® Fusion									
4e	nt	nt	nt	nt	nt	nt	nd	nt	nt	nt
	nt	nt	nt		nt	nt		nt		
		nt	nt	nt	nt			nt	nt	nt
WQREW8	PowerPlex® Fusion									
4e						11				
WRLBBT										
4e						11				
										2

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4e - YSTR Results

WVKJPB 4e	PowerPlex® Fusion									
	11									
X8TRVZ 4e	GlobalFiler™									
	11									
	2									
X9HALZ 4e	Yfiler®									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
								23	12	
XE8ML3 4e	Yfiler®									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
								23	12	
XNZTMG 4e										
	11									
	2									
XRH9YU 4e	GlobalFiler™									
	11									
	2									
XTQCK6 4e	Yfiler® Plus, GlobalFiler™									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
		12		17,18	16		23	23		12
										2
XTTVQF 4e	Yfiler®									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
								23	12	
XU8CR2 4e	PowerPlex® Y 23									
Y3A7BR 4e	Yfiler® Plus, GlobalFiler™									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
		12		17,18	16		23	23		12
										2
YBPPVQ 4e	Yfiler® Plus									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
		12		17,18	16		23	23		12
										2
YKT2PZ 4e	Yfiler®									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
								23	12	

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4e - YSTR Results

YPNQ8R	Yfiler® PLUS, GlobalFiler™									
4e	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
		12		17,18	16		23	23		12
										2
YQFPK6	Yfiler® Plus, GlobalFiler™									
4e	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
		12		17,18	16		23	23		12
										2
Z9E8AZ	Yfiler®									
4e		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
								23		12
Z9WD9Q	Yfiler® Plus, GlobalFiler™									
4e	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
		12		17,18	16		23	23		12
										2
ZBLKTM	PowerPlex® Y Y23, PowerPlex® Fusion									
4e		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15		23		
		12	12	17,18	16			23	10	12
ZNRLGQ	Yfiler®									
4e							11			
										2
ZZJ674	PowerPlex® Fusion									
4e							11			

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4sp - YSTR Results

26DB8D 4sp	Yfiler®									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15				
							23		12	
2B3XWQ 4sp	Yfiler® Plus									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12		17,18	16		23	23		12	2
2DB77B 4sp	Yfiler®									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15				
							23		12	
2G72MP 4sp	Yfiler® YFiler Plus									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12		17,18	16		23	23		12	2
2NQ333 4sp	PowerPlex® Fusion									
							11			
2QVL9B 4sp	Yfiler®									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15				
							23		12	
3DN26N 4sp	Yfiler® Plus									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12		17,18	16		23	23		12	2
3N384X 4sp	Yfiler®									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15				
							23		12	
3XNDUA 4sp	Yfiler®									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15				
							23		12	
4X6ZK3 4sp	PowerPlex® Y Y23, PowerPlex® Fusion									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15		23		
	12	12	17,18	16			23	10	12	
4ZC784 4sp	Yfiler®									
	14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15				
							23		12	2
696NEK 4sp	Yfiler® Plus, GlobalFiler™									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12		17,18	16		23	23		12	2

TABLE 3

WebCode	Amplification Kit										
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 4sp - YSTR Results

6FM6XM	GlobalFiler™										
4sp											11
											2
76DA2U	Yfiler®										
4sp	-	14	11,14	13	31	25	11	13	13	14	
											12
											23
7ELLHY	Yfiler® Plus										
4sp	35	14	11,14	13	31	25	11	13	13	14	
											12
											27
											17,18
7FXFZJ	GlobalFiler™										
4sp											11
											2
7G9DD2	Yfiler®, GlobalFiler™										
4sp		14	11,14	13	31	25	11	13	13	14	
											12
											16
											15
											23
											12
											2
7LL4VP	PowerPlex® Fusion										
4sp											11
											2
7NRJ72	Yfiler®										
4sp		14	11,14	13	31	25	11	13	13	14	
											12
											16
											15
											23
											12
7UED4Y	PowerPlex® Fusion										
4sp											11
											2
7Z7JYP	PowerPlex® Fusion										
4sp											11
											2
833NTK	Yfiler®, GlobalFiler™										
4sp		14	11,14	13	31	25	11	13	13	14	
											12
											19
											16
											15
											23
											12
											2
8QBTYZ	Yfiler®										
4sp		14	11,14	13	31	25	11	13	13	14	
											12
											19
											16
											15
											23
											12
8TAGWB	PowerPlex® Y 23										
4sp		14	11,14	13	31	25	11	13	13	14	
											12
											19
											16
											15
											23
											12
											17,18
											16
											23
											10
											12

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4sp - YSTR Results

9BCD7J	PowerPlex® Y 23, GlobalFiler™									
4sp	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15		23			
	12	12	17,18	16			23	10	12	2
9GJ2JK	PowerPlex® Y 23, GlobalFiler™									
4sp	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15		23			
	12	12	17,18	16			23	10	12	2
9M8Q4V	Yfiler®									
4sp						11				
ABRWNV	Yfiler®									
4sp	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15					
							23		12	
ACBQGJ	Yfiler®									
4sp	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15					
							23		12	2
AGHJ32	Yfiler®									
4sp	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15					
							23		12	
AQ3X3X	Yfiler®									
4sp	14	11,14	13	31	25	11	13	13	14	
	12	19		16	15					
							23		12	
B89JZD	PowerPlex® Fusion									
4sp						11				
BMN9NF	Yfiler®									
4sp	14	11,14	13	[30],31,[3 2]	25	[9],11	13	13	14	
	[11],12	19		[15],16	15					
							23		12	2
BP8MRF	GlobalFiler™									
4sp						11				
										2
BT9HNC	Yfiler®									
4sp						11				

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4sp - YSTR Results

BUKAKZ 4sp	Yfiler®										
		14	11,14	13	31	25	11	13	13	14	
		12	12	19		16	15				
23											12
C8ZWZB 4sp	PowerPlex® Fusion						11				
CDAXJU 4sp	PowerPlex® Fusion						11				
CLJLXR 4sp	PowerPlex® Fusion						11				
CLM644 4sp	PowerPlex® Fusion						11				
CMW3GL 4sp	PowerPlex® Y 23										
		14	11,14	13	31	25	11	13	13	14	
		12	12	19		16	15		23		
		12	12	17,18	16			23	10	12	
D6RYBZ 4sp	PowerPlex® Fusion 5C						11				
DA7GNB 4sp	PowerPlex® Fusion						11				
DEYJUW 4sp	Yfiler®										
		14	11,14	13	31	25	11	13	13	14	
		12	12	19		16	15				
	23										
DMUNLC 4sp	Yfiler® Plus										
		35	14	11,14	13	31	25	11	13	13	14
		12	12	19	27	16	15	11	23		36
		12		17,18	16			23	23		12
DTKYXV 4sp	Yfiler®										
		14	11,14	13	31	25	11	13	13	14	
		12	12	19		16	15				
	23										
DXRL9C 4sp	Yfiler® Plus										
		35	14	11,14	13	31	25	11	13	13	14
		12	12	19	27	16	15	11	23		36
		12		17,18	16			23	23		12
											2

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4sp - YSTR Results

DZJKKP 4sp	Yfiler® Plus, GlobalFiler™									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12		17,18	16		23	23			12
										2
ECAWCT 4sp	Yfiler® plus									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12		17,18	16		23	23			12
										2
EG7AKC 4sp	GlobalFiler™									
							11			
										2
F7XBYF 4sp	PowerPlex® Fusion									
							11			
										2
FDLQWY 4sp	Yfiler®									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
								23		12
										2
FX6TRY 4sp	PowerPlex® Y 23, PowerPlex® Fusion									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15		23		
	12	12	17,18	16		23	10			12
										2
G3EL4A 4sp	GlobalFiler™									
							11			
										2
G4NHK8 4sp	Yfiler®, GlobalFiler™									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
								23		12
										2
GJEK2B 4sp	Yfiler®, GlobalFiler™									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
								23		12
										2
GKWCCG 4sp	Yfiler®, PowerPlex® Fusion (DYS391)									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
								23		12
										2
GVUEEP 4sp	PowerPlex® Fusion									
							11			
										2
H2HAYU 4sp	Yfiler®									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
								23		12
										2

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4sp - YSTR Results

H78YDC 4sp	PowerPlex® Y 23, GlobalFiler™									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15		23		
	12	12	17,18	16			23	10	12	2
HE3YR6 4sp	PowerPlex® Y Y23									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15		23		
	12	12	17,18	16			23	10	12	
HEHBCV 4sp										
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
							23		12	
HKPMMA 4sp										
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15		23		
	12	12	17,18	16			23	10	12	
HQZQNA 4sp	GlobalFiler™									
							11			
										2
HTP3GN 4sp	Yfiler®									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
							23		12	
HXFG2P 4sp	Yfiler®									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
							23		12	
HYPNZB 4sp	PowerPlex® Y 23, GlobalFiler™									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15		23		
	12	12	17,18	16			23	10	12	2
JZZTBE 4sp	Yfiler®, PowerPlex® Fusion (DYS391)									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
							23		12	
K7MQLM 4sp	Yfiler®									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
							23		12	
KCTNUR 4sp	Yfiler®									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
							23		12	
KMT28L 4sp	PowerPlex® Fusion									
							11			

TABLE 3

WebCode	Amplification Kit										
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437	
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4	Y Indel

Item 4sp - YSTR Results

KX4TAL	PowerPlex® Fusion										
4sp											11
[Redacted]											
LA4HAV	PowerPlex® Fusion										
4sp											11
[Redacted]											
LEVQCF	Yfiler®										
4sp	-	14	11,14	13	31	25	11	13	13	14	
	12	12	19	-	16	15	-	-	-	-	
	-	-	-	-	-	-	-	23	-	12	-
LULTTK	PowerPlex® Fusion										
4sp											11
[Redacted]											
M47KRG	Yfiler®										
4sp		14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15					
								23		12	
M6XJWW	PowerPlex® Y 23										
4sp		14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15		23			
		12	12	17,18	16			23	10	12	
NCDGCE	Yfiler® Plus, GlobalFiler™										
4sp	35	14	11,14	13	31	25	11	13	13	14	
	12	12	19	27	16	15	11	23		36	
		12		17,18	16		23	23		12	2
NKU3BA	PowerPlex® Y 23										
4sp		14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15		23			
		12	12	17,18	16			23	10	12	
PG3F3E	Yfiler®										
4sp		14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15					
								23		12	
PG9NEM	Yfiler®										
4sp		14	11,14	13	31	25	11	13	13	14	
	12	12	19		16	15					
								23		12	
PTHGPZ	GlobalFiler™										
4sp											11
[Redacted]											
											2
PVL4CC	Yfiler®										
4sp	-	14	11,14	13	31	25	11	13	13	14	
	12	12	19	-	16	15	-	-	-	-	
	-	-	-	-	-	-	-	23	-	12	-

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4sp - YSTR Results

QFQW3H	Yfiler®										
4sp		14	11,14	13	31	25	11	13	13	14	
		12	12	19	16	15					
								23		12	2
R62URZ	PowerPlex® Y PPY23, GlobalFiler™										
4sp		14	11,14	13	31	25	11	13	13	14	
		12	12	19	16	15		23			
		12	12	17,18	16			23	10	12	2
R9N9KG	Yfiler®										
4sp		14	11,14	13	31	25	11	13	13	14	
		12	12	19	16	15					
								23		12	
RLAQ9E	PowerPlex® Fusion						11				
4sp											
RN3EVF	PowerPlex® Fusion 6C						11				
4sp											
				17,18	16						
RYYK8	Yfiler®, PowerPlex® Fusion (DYS391)										
4sp		14	11,14	13	31	25	11	13	13	14	
		12	12	19	16	15					
								23		12	
T8NRH4	Yfiler®, PowerPlex® Fusion (DYS391)										
4sp		14	11,14	13	31	25	11	13	13	14	
		12	12	19	16	15					
								23		12	
TCHP8U	PowerPlex® Y 23										
4sp		14	11,14	13	31	25	11	13	13	14	
		12	12	19	16	15		23			
		12	12	17,18	16			23	10	12	
TFG3QD	PowerPlex® Fusion						11				
4sp											
TFZPPV	PowerPlex® Fusion 5C						11				
4sp											
U3TA7X	Yfiler®, GlobalFiler™										
4sp		14	11,14	13	31	25	11	13	13	14	
		12	12	19	16	15					
								23		12	2
U62DUU							11				
4sp											

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4sp - YSTR Results

UDW79F	Yfiler®											
4sp		14	11,14	13	31	25	11	13	13	14		
		12	12	19	16	15						
								23		12		
UPTBJZ	Yfiler®											
4sp		14	11,14	13	31	25	11	13	13	14		
		12	12	19	16	15						
								23		12	2	
UTKQH8	Yfiler®											
4sp		14	11,14	13	31	25	11	13	13	14		
		12	12	19	-	16	15	-	-	-		
		-	-	-	-	-	-	23	-	12	-	
UVAX36	Yfiler®											
4sp		14	11,14	13	31	25	11	13	13	14		
		12	12	19	16	15						
								23		12		
UWPAPF	Yfiler®											
4sp		14	11,14	13	31	25	11	13	13	14		
		12	12	19	16	15						
								23		12		
VA37Y9	PowerPlex® Fusion											
4sp							11					
VCRDNC	Yfiler® Plus, GlobalFiler™											
4sp		35,35	14	11,14	13	31	25	11	13	13	14	
		12	12	19	27	16	15	11	23		36	
			12	17	16			23	23	12	2	
VP2URW	Yfiler® Plus											
4sp		35	14	11,14	13	31	25	11	13	13	14	
		12	12	19	27	16	15	11	23		36	
			12	17,18	16			23	23	12	2	
VRTXBV	GlobalFiler™											
4sp							11					
												2
W2RZ8C	Yfiler®, GlobalFiler™											
4sp		14	11,14	13	31	25	11	13	13	14		
		12	12	19	16	15						
								23		12	2	
WC9UEY	PowerPlex® Fusion											
4sp							11					
WM9FMJ	Qiagen Investigator 24 Plex QS											
4sp							11					

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4sp - YSTR Results

WN38CA	PowerPlex® Y 23, PowerPlex® Fusion									
4sp	14	11-14	13	31	25	11	13	13	14	
	12	12	19	16	15		23			
	12	12	17-18	16			23	10	12	
WQREW8	PowerPlex® Fusion									
4sp						11				
WRLBBT	PowerPlex® Fusion									
4sp						11				
										2
WVKJPB	PowerPlex® Fusion									
4sp						11				
X8TRVZ	GlobalFiler™									
4sp						11				
										2
X9HALZ	Yfiler®									
4sp	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
							23		12	
XE8ML3	Yfiler®									
4sp	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
							23		12	
XNZTMG	PowerPlex® Fusion									
4sp						11				
										2
XRH9YU	GlobalFiler™									
4sp						11				
										2
XTQCK6	Yfiler® Plus, GlobalFiler™									
4sp	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12		17,18	16			23	23	12	2
XTTVQF	Yfiler®									
4sp	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15					
							23		12	
XU8CR2	PowerPlex® Y 23									
4sp	14	11,14	13	31	25	11	13	13	14	
	12	12	19	16	15		23			
	12	12	17,18	16			23	10	12	

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389_I	DYS389_II	DYS390	DYS391	DYS392	DYS393	DYS437
	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518
	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	YGATAH4 Y Indel

Item 4sp - YSTR Results

Y3A7BR 4sp	Yfiler® Plus, GlobalFiler™									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12		17,18	16		23	23		12	2
YBPPVQ 4sp	Yfiler® Plus									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12		17,18	16		23	23		12	2
YKT2PZ 4sp	Yfiler®									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
							23		12	
YPNQ8R 4sp	Yfiler® PLUS, GlobalFiler™									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12		17,18	16		23	23		12	2
YQFPK6 4sp	Yfiler® Plus, GlobalFiler™									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12		17,18	16		23	23		12	2
Z9E8AZ 4sp	Yfiler®									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
							23		12	
Z9WD9Q 4sp	Yfiler® Plus, GlobalFiler™									
	35	14	11,14	13	31	25	11	13	13	14
	12	12	19	27	16	15	11	23		36
	12		17,18	16		23	23		12	2
ZBLKTM 4sp	PowerPlex® Y Y23, PowerPlex® Fusion									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15		23		
	12	12	17,18	16			23	10	12	
ZNRLGQ 4sp	Yfiler®									
		14	11,14	13	31	25	11	13	13	14
	12	12	19		16	15				
							23		12	2
ZZJ674 4sp	PowerPlex® Fusion									
						11				

Additional DNA Results

TABLE 4

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

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
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No additional DNA results were reported that did not already correspond to another location within the report.

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 5

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
26DB8D	Yes	Yes	No	Yes	7UED4Y	Yes	Yes	No	Yes
27MJB6	Yes	Yes	No	Yes	7Z7JYP	Yes	Yes	No	Yes
2B3XWQ	Yes	Yes	No	Yes	833NTK	Yes	Yes	No	Yes
2DB77B	Yes	Yes	No	Yes	8QBTYZ	Yes	Yes	No	Yes
2G72MP	Yes	Yes	No	Yes	8QYECQ	Yes	Yes	No	Yes
2NQ333	Yes	Yes	No	Yes	8TAGWB	Yes	Yes	No	Yes
2QVL9B	Yes	Yes	No	Yes	8WD826	Inc	Yes	No	Yes
3DN26N	Yes	Yes	No	Yes	969PBX	Yes	Yes	No	Yes
3GHYRU	Yes	Yes	No	Yes	9BCD7J	Yes	Yes	No	Yes
3N384X	Yes	Yes	No	Yes	9GJ2JK	Yes	Yes	No	Yes
3XNDUA	Yes	Yes	No	Yes	9M8Q4V	Yes	Yes	No	Yes
47GV3Q	Yes	Yes	No	Yes	9UN3GV	Yes	Yes	No	Yes
4EVW77	Yes	Yes	No	Yes	ABRWNV	Yes	Yes	No	Yes
4LC8J8	Yes	Yes	No	Yes	ACBQGJ	Yes	Yes	No	Yes
4X6ZK3	Yes	Yes	No	Yes	AGHJ32	Yes	Yes	No	Yes
4ZC784	Yes	Yes	No	Yes	AQ3X3X	Yes	Yes	No	Yes
696NEK	Yes	Yes	No	Yes	B89JZD	Yes	Yes	No	Yes
6FM6XM	Yes	Yes	No	Yes	BMN9NF	Yes	Yes	No	Yes
6KTTKW	Yes	Yes	No	Yes	BP8MRF	Yes	Yes	No	Yes
6L8FX6	Inc	No	No	Yes	BT9HNC	Yes	Yes	No	Yes
6RAJN3	Yes	Yes	No	Yes	BUKAKZ	Yes	Yes	No	Yes
76DA2U	Yes	Yes	No	Yes	C2YHGV	Yes	Yes	No	Yes
7ELLHY	Yes	Yes	No	Yes	C8ZWZB	Yes	Yes	No	Yes
7FXFZJ	Yes	Yes	No	Yes	CAQZUH	Yes	Yes	No	Yes
7G9DD2	Yes	Yes	No	Yes	CDAXJU	Yes	Yes	No	Yes
7LL4VP	Yes	Yes	No	Yes	CLJLXR	Yes	Yes	No	Yes
7NRJ72	Yes	Yes	No	Yes	CLM644	Yes	Yes	No	Yes

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
CMW3GL	Yes	Yes	No	Yes	HE3YR6	Yes	Yes	No	Yes
CYABWX	Yes	Yes	No	Yes	HEHBCV	Yes	Yes	No	Yes
D6RYBZ	Yes	Yes	No	Yes	HKPMMA	Yes	Yes	No	Yes
DA7GNB	Yes	Yes	No	Yes	HQZQNA	Yes	Yes	No	Yes
DAMXGJ	Yes	Yes	No	Yes	HTP3GN	Yes	Yes	No	Yes
DEYJUW	Yes	Yes	No	Yes	HXFG2P	Yes	Yes	No	Yes
DGMDBX	Yes	Yes	No	Yes	HYPNZB	Yes	Yes	No	Yes
DMUNLC	Yes	Yes	No	Yes	JLEFMZ	Yes	Yes	No	Yes
DTKYXV	Yes	Yes	No	Yes	JZ93TR	Yes	Yes	No	Yes
DXRL9C	Yes	Yes	No	Yes	JZZTBE	Yes	Yes	No	Yes
DZJKKP	Yes	Yes	No	Yes	K7MQLM	Yes	Yes	No	Yes
ECAWCT	Yes	Yes	No	Yes	KCTNUR	Yes	Yes	No	Yes
ECRKW9	Yes	Yes	No	Yes	KMT28L	Yes	Yes	No	Yes
EG7AKC	Yes	Yes	No	Yes	KX4TAL	Yes	Yes	No	Yes
F48879	Yes	Yes	No	Yes	LA4HAV	Yes	Yes	No	Yes
F7XBYF	Yes	Yes	No	Yes	LD2YMP	Yes	Yes	No	Yes
FDLQWY	Yes	Yes	No	Yes	LEVQCF	Yes	Yes	No	Yes
FHC6EE	Yes	Yes	No	Yes	LMRJTM	Yes	Yes	No	Yes
FX6TRY	Yes	Yes	No	Yes	LPVCML	Yes	Yes	No	Yes
G3EL4A	Yes	Yes	No	Yes	LULTTK	Yes	Yes	No	Yes
G4NHK8	Yes	Yes	No	Yes	M47KRG	Yes	Yes	No	Yes
GJEK2B	Yes	Yes	No	Yes	M6XJVV	Yes	Yes	No	Yes
GKWCCG	Yes	Yes	No	Yes	MC3GG6	Yes	Yes	No	Yes
GNWKJC	Yes	Yes	No	Yes	MPA9JD	Yes	Yes	No	Yes
GP6ZPH	Yes	Yes	No	Yes	NCDGCE	Yes	Yes	No	Yes
GVUEEP	Yes	Yes	No	Yes	NKQNVN	Yes	Yes	No	Yes
H2HAYU	Yes	Yes	No	Yes	NKU3BA	Yes	Yes	No	Yes
H3A9DR	Yes	Yes	No	Yes	P8T9RL	Yes	Yes	No	Yes
H78YDC	Yes	Yes	No	Yes	PG3F3E	Yes	Yes	No	Yes

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
PG9NEM	Yes	Yes	No	Yes	VA37Y9	Yes	Yes	No	Yes
PTHGPZ	Yes	Yes	No	Yes	VAMQ72	Yes	Yes	No	Yes
PVL4CC	Yes	Yes	No	Yes	VCRDNC	Yes	Yes	No	Yes
Q8CCB7	Yes	Yes	No	Yes	VHJMT4	Inc	Yes	No	Yes
QFQW3H	Yes	Yes	No	Yes	VP2URW	Yes	Yes	No	Yes
QVJNNJ	Yes	Yes	No	Yes	VRTXBV	Yes	Yes	No	Yes
QWDGCA	Yes	Yes	No	Yes	W2RZ8C	Yes	Yes	No	Yes
QYK2ZB	Yes	Yes	No	Yes	WC9UEY	Yes	Yes	No	Yes
R26698	Yes	Yes	No	Yes	WEE84D	Yes	Yes	No	Yes
R62URZ	Yes	Yes	No	Yes	WKJBLY	Yes	Yes	No	Yes
R9N9KG	Yes	Yes	No	Yes	WM9FMJ	Yes	Yes	No	Yes
RLAQ9E	Yes	Yes	No	Yes	WN38CA	Yes	Yes	No	Yes
RN3EVF	Yes	Yes	No	Yes	WQREW8	Yes	Yes	No	Yes
RYYKK8	Yes	Yes	No	Yes	WRLBBT	Yes	Yes	No	Yes
T8NRH4	Yes	Yes	No	Yes	WVKJPB	Yes	Yes	No	Yes
TCHP8U	Yes	Yes	No	Yes	X8TRVZ	Yes	Yes	No	Yes
TFG3QD	Yes	Yes	No	Yes	X9HALZ	Yes	Yes	No	Yes
TFZPPV	Yes	Yes	No	Yes	XE8ML3	Yes	Yes	No	Yes
TKEHLF	Yes	Yes	No	Yes	XNZTMG	Yes	Yes	No	Yes
TM6G77	Yes	Yes	No	Yes	XRH9YU	Yes	Yes	No	Yes
TMVPQJ	Yes	Yes	No	Yes	XTQCK6	Yes	Yes	No	Yes
U3TA7X	Yes	Yes	No	Yes	XTTVQF	Yes	Yes	No	Yes
U62DUU	Yes	Yes	No	Yes	XU8CR2	Yes	Yes	No	Yes
UDW79F	Yes	Yes	No	Yes	Y3A7BR	Yes	Yes	No	Yes
UH6ULG	Yes	Yes	No	Yes	YBPPVQ	Yes	Yes	No	Yes
UPTBJZ	Yes	Yes	No	Yes	YC2E3A	Yes	Yes	No	Yes
UTKQH8	Yes	Yes	No	Yes	YKT2PZ	Yes	Yes	No	Yes
UVAX36	Yes	Yes	No	Yes	YPNQ8R	Yes	Yes	No	Yes
UWPAPF	Yes	Yes	No	Yes	YQFPK6	Yes	Yes	No	Yes

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
YU6YVR	Yes	Yes	No	Yes					
Z9E8AZ	Yes	Yes	No	Yes					
Z9WD9Q	Yes	Yes	No	Yes					
ZBLKTM	Yes	Yes	No	Yes					
ZLD9CH	Yes	Yes	No	Yes					
ZMXRUU	Yes	Yes	No	Yes					
ZNRLGQ	Yes	Yes	No	Yes					
ZUBZVV	Yes	Yes	No	Yes					
ZZJ674	Yes	Yes	No	Yes					

DNA Interpretation					
Response Summary			Participants reporting DNA results: 179		
<i>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)?</i>					
		Victim (Item 1)		Suspect (Item 2)	
		<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
Yes		176	178	0	179
No		0	1	179	0
Inc		3	0	0	0
No Interpretation		0	0	0	0
No Response		0	0	0	0

Participants analyzing DNA for database purposes only: 0

Additional Comments

TABLE 6

WebCode	Additional Comments
26DB8D	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
2B3XWQ	<p>Results/Opinions and Interpretations: A differential extraction was performed on Items 3.1 and 4.1 in an attempt to separate sperm cells from non-sperm cells. The DNA from these fractions was analyzed separately. Microscopic examinations on the sperm fractions of Items 3.1 and 4.1 revealed the presence of spermatozoa. DNA analysis was conducted on Items 1.1, 2.1, and the sperm and non-sperm fractions of Items 3.1 and 4.1 at the GlobalFiler loci. The DNA profile developed from the non-sperm fraction of the bedsheet (Item 3.1) indicates a mixture of three individuals. The female victim (Item 1.1) cannot be excluded as a potential contributor to this mixture at the D3S1358, D8S1179, and D19S433 loci. The probability of selecting an unrelated individual at random who cannot be excluded as one of the possible contributors of DNA to this mixture at these loci is approximately 1 in 21. The male suspect (Item 2.1) is excluded as a potential contributor to this mixture. The DNA profile developed from the sperm fraction of the bedsheet (Item 3.1) does not match the DNA profile developed from the male suspect (Item 2.1) and is indicative of an unknown male donor. The DNA profile developed from the non-sperm fraction of the duvet cover (Item 4.1) indicates a mixture of two individuals. The female victim (Item 1.1) and the male suspect (Item 2.1) cannot be excluded as a potential contributors to this mixture at the D3S1358, vWA, D16S539, CSF1PO, D8S1179, D21S11, D18S51, D2S441, D19S433, TH01, FGA, D22S1045, D5S818, D13S317, D7S820, SE33, D10S1248, D1S1656, D12S391, and D2S1338 loci. The probability of selecting an unrelated individual at random who cannot be excluded as one of the possible contributors of DNA to this mixture at these loci is approximately 1 in 3.3 trillion (10^{12}). The DNA profile developed from the sperm fraction of the duvet cover (Item 4.1) matches the DNA profile developed from the male suspect (Item 2.1). The probability of selecting an unrelated individual at random from the population having a profile matching at all loci is approximately 1 in 27 octillion (10^{27}). Male-specific (YSTR) DNA analysis was conducted on Items 2.1 and the sperm and non-sperm fractions of Items 3.1 and 4.1 at the Yfiler Plus loci. The YSTR profiles developed from the non-sperm and sperm fractions of the bedsheet (Item 3.1) do not match the YSTR profile developed from the male suspect (Item 2.1) and are indicative of an unknown male donor. The YSTR profiles developed from the non-sperm and sperm fractions of the duvet cover (Item 4.1) match the YSTR profile developed from the male suspect (Item 2.1) at the DYS456, DYS389I, DYS390, DYS389II, DYS458, DYS19, DYS385ab, DYS393, DYS391, DYS439, DYS635, DYS392, YGATAH4, DYS437, DYS438, and DYS448 loci. Therefore, the male suspect (Item 2.1) and all of his paternal male relatives are not excluded as potential donors to this sample. Utilizing the current US YSTR database, this YSTR profile has been observed as follows at the Yfiler loci: 0 in 4,728 males (1 in 1,580 males included). The DNA profile developed from the sperm fraction of Item 3.1 has been entered into the CODIS DNA database. State and national searches will be performed on a routine basis and any future matches will be reported to the investigating officer. The DNA profile developed from the sperm fraction of Item 4.1 has been entered into the CODIS DNA database. State and national searches will be performed on a routine basis and any future matches will be reported to the investigating officer. Remarks: DNA (deoxyribonucleic acid) analysis utilizes polymerase chain reaction technology (PCR) to analyze short tandem repeats (STRs). It may also be used to analyze STRs on the Y chromosome (YSTRs). For partial profiles, only the loci used in the statistical calculation are listed. The remaining loci were either inconclusive or provided no results. Statistically inconclusive loci may still be used for interpretation purposes. Amelogenin and Y indel are not utilized in statistical calculations. DYS391 is excluded from (autosomal) statistical calculations with GlobalFiler results. Applied Biosystems GlobalFiler loci: Amelogenin, D8S1179, D21S11, D7S820, CSF1PO, D3S1358, TH01, D13S317, D16S539, D2S1338, D19S433, vWA, TPOX, D18S51, D5S818, FGA, Y indel, D2S441, D22S1045, SE33, D10S1248, D1S1656, DYS391 and D12S391. Applied Biosystems Yfiler Plus loci: DYS19, DYS385ab, DYS389I, DYS389II, DYS390, DYS391, DYS392, DYS393, DYS437, DYS438, DYS439, DYS448, DYS449, DYS456, DYS458, DYS460, DYS481, DYS518, DYS533, DYS570, DYS576, DYS627, DYS635, YGATAH4, and DYF387S1. Applied Biosystems YFiler loci: DYS19, DYS385ab, DYS389I, DYS389II, DYS390, DYS391, DYS392, DYS393, DYS437, DYS438, DYS439, DYS448, DYS456, DYS458, DYS635, and YGATAH4. Disposition of Evidence: All items will be returned to the submitting agency upon completion of analyses. DNA packet(s) returned to the submitting agency should be kept frozen upon receipt. The statistical strength of YSTR testing is affected by the size of the population database searched. Profiles in the population database may not have results for all of the YSTR loci.</p>

TABLE 6

WebCode	Additional Comments
	Therefore, the total number of observations in the database will vary dependent upon which loci are searched.
2DB77B	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
2QVL9B	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
3N384X	NOTE: additional single trace level allele detected at D1 which was indicative of a third contributor. NOTE: analysis has indicated that low probability drop out should be considered at a number of loci for the sample from item 4.
3XNDUA	[]=allele(s) between analytical and stochastic thresholds
4X6ZK3	Item 1 was amplified in both Fusion and Identifiler Plus. Results for both systems reported on data sheet.
4ZC784	The Y Indel result obtained from analysis with the GlobalFiler Kit was included in the Y results table of each respective item
6FM6XM	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
76DA2U	Item 1, Item 2, Item 3 and Item 4 were extracted using chelex extraction method and quantified using Human DNA Quantifiler Kit on Real Time PCR 7500 System. Then, amplified using Identifiler Plus Kit. Item 2, Item 3 and Item 4 also amplified using Yfiler PCR Kit. Electrophoresis were carried out on Genetic Analyzer 3130xl. Reagent Blank, Positive Control and Negative Control were carried out along through analysis.
833NTK	Y-STR analysis was not performed on item 1 because no male DNA was detected using Quantifiler Trio. The GlobalFiler results for Yindel and DYS391 are recorded in the Yfiler results table for items 2, 3 and 4.
8WD826	Item 1 inconclusive on Item 3 (blood). Applicable peaks are present, but not labeled therefore inconclusive result. See EPG attached. [No Additional Documents Attached.]
ACBQGJ	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
AGHJ32	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
B89JZD	I did not conduct any biology screening on the samples in this test. So, no KPIC slides/ microscope exam was conducted to determine how many sperm cells were present. Item 3F1 (e fraction) is a mixture of 2 contributors, I assumed the F2 profile out of the F1 mixture as the minor male contributor ~ 3:1 female to male ratio on average across the profile. (Assumed F2 carryover into the F1). Alleles attributed to minor contributor are in [] in the test results data sheet. Item 3F2 (sp fraction) single source male profile. Item 4F1 (e fraction) unresolved mixture of 2 contributors, about equal contributors. Mixed profile entered as alleles observed. Item 4F2 (sp fraction) appears to be a single source male profile. The male appears to be a possible X, Y, Y. Item 1, female victim standard DYS391, not detected (ND). Item 2, male suspect standard, Amelogenin result appears to be a possible X, Y,Y. For single source samples- homozygotes are listed twice as (10,10) for a 10 homozygote.
BMN9NF	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results. During GlobalFiler testing of the sperm fraction of Item 3, a possible elevated n+1 repeat stutter artifact was detected at SE33 (in the position for the 17 allele). Because of this elevated peak, this sample was

TABLE 6

WebCode	Additional Comments
	interpreted as a two person mixture, per lab policy. This led to the inclusion of numerous stutter peaks and "Q" alleles for this sample. During Yfiler testing of the sperm fractions of Items 3 and 4, several possible elevated stutter artifacts (in n+1, n-1, and n-2 repeat positions) were detected. Due to these elevated peaks, these items were interpreted as mixtures, per lab policy. The bracketed peaks, designated as minor contributor types may alternatively be interpreted as possible elevated artifactual peaks.
BP8MRF	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping, stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results. Item 1 was also amplified with the MiniFiler amplification kit; the MiniFiler and GlobalFiler results were concordant at the duplicate loci.
C8ZWZB	No microscope examination of Items 3 or 4 conducted. The sperm fraction of Item 3 was assumed as a minor in the epithelial fraction of Item 3. Item 3 epithelial fraction was interpreted as a mixture of two people. Minor alleles, not genotypes, are listed under 3e. The epithelial fraction of Item 4 was interpreted as an unresolved mixture of two people (nearly equal contributors). Observed alleles, not genotypes, are listed under 4e. No result was detected in Item 1 at the DYS391 locus. ND = not detected. Homozygote genotypes are listed twice, like this: 11, 11
CLJLXR	Fusion and Identifiler Plus analyses were conducted on Item 1. Data for both systems are entered in the data sheet.
DTKYXV	Items 1 and 2 were extracted using organic @ Phenol-Chloroform method. Items 3 and 4 were extracted using Chelex method for differential extraction. Separation and detection of amplified products were performed using Applied Biosystems 3130xl Genetic Analyzer and analysis was carried out by GeneMapper ID V3.2.1 software.
ECAWCT	1- The genetic profile of item (1) refers to single female. 2- The genetic profile of item (2) refers to single male. 3- Differential extraction was performed for item (3) and the genetic profile for semen refers to unknown male not the suspect (item 2). 4- Differential extraction was performed for item (4) and the genetic profile for semen refers to the suspect (item 2). 5- Electrophoresis for all items was carried out on genetic analyzer. 6- Positive and negative control were carried out along with the analysis
EG7AKC	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
G3EL4A	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results. Items 1 and 2 were also amplified with the MiniFiler amplification kit; the MiniFiler and GlobalFiler results were concordant at the duplicate loci.
GJEK2B	Y-STR analysis was not performed on Item 1 because no male DNA was detected using Quantifiler Trio. The GlobalFiler results for Yindel and DYS391 are recorded in the Yfiler results table for items 2, 3 and 4.
GKWCCG	NR = No Results. Data for locus DYS391 on Additional DNA page produced using the PowerPlex Fusion Kit.
GP6ZPH	Item 3 Seminal fraction - indicates originates from an unknown male individual. Epithelial fraction - In my opinion this fraction can be accounted for by a combination of DNA from the victim and the unknown male. Item 4 Seminal fraction - matches profile of suspect. Epithelial fraction - In my opinion this fraction can be accounted for by a combination of DNA from the victim and the suspect. No testing undertaken on the stains to confirm semen headcount or presence of other body fluids (other than a test for blood)

TABLE 6

WebCode	Additional Comments
H2HAYU	"[] - indicates minor allele/s and alleles between analytical and stochastic thresholds"
HEHBCV	"[] - indicates minor allele/s and alleles between analytical and stochastic thresholds"
HKPMMA	Y-STR profiling kit used was PowerPlex Y23 (Promega). This kit includes primers for DYS570. The Y-STR profiles obtained from Item 4 and Item 2 had two alleles at DYS570. According to Butler et al (Journal Forensic Science July 2005, Vol. 50, No. 4) over 1% of samples they tested had multiple alleles at loci normally considered to be single-copy. The two alleles seen in samples Item 2 and Item 4 at DYS570, 17 and 18, were previously observed twice in samples analyzed by Purps et al (Forensic Science International: Genetics 12, 2014, 12-23). Promega was shown the Y-STR profiles EPGs from Items 2 and 4 and confirmed that the profiles obtained were of good quality and from a single source.
HQZQNA	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
HXFG2P	"INC" means inconclusive. "NR" means no results.
JZZTBE	NR: No Results. DYS391 on Additional DNA page is from PowerPlex Fusion.
KCTNUR	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds.
KX4TAL	Item 1 was amplified in Identifiler Plus and PowerPlex Fusion. Combined results were added to the STR results table.
LEVQCF	1) Item 1, Item 2, Item 3 and Item 4 were extracted using chelex extraction method. 2) DNA quantification was carried out using Quantifiler Human Quantification Kit on 7500 Real-Time PCR. 3) Item 1, Item 2, Item 3 and Item 4 were amplified using AmpFISTR Identifiler Plus Kit. 4) Item 2, Item 3 and Item 4 were amplified using AmpFISTR Y-File Kit. 5) Capillary electrophoresis was carried out using Applied Biosystems Genetic Analyzer 3130xL with GeneMapper ID Software. 6) Reagent blank, positive control and negative control were carried out throughout the analysis.
LULTTK	PCI extraction only
P8T9RL	Need to request the reference sample of the second suspect
PG9NEM	"[] - indicates minor allele/s and alleles between analytical and stochastic thresholds"
PTHGPZ	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results. Item 1 was also amplified with the MiniFiler amplification kit; the MiniFiler and GlobalFiler results were concordant at the duplicate loci.
PVL4CC	1. Item 1 and Item 2, Item 3 and Item 4 were extracted using Chelex Extraction Method. 2. Then it was quantified using Quantifiler Human DNA Quantification Kit and carried out by 7500 Real Time PCR. 3. Amplification was done using AmpFLSTR Identifiler Plus Kit. 3. Item 2, Item 3 and Item 4 were amplified using YFiler Kit in the 9700 Thermal Cycler. 4. Electrophoresis process were carried out by Genetic Analyzer 3130xl for Item 1 to Item 4 and analyzed with GeneMapper ID Software. 5. Reagent blank, positive control and negative control were carried out along with the analysis and all gave the intended results.
QFQW3H	No male DNA detected for Item 1 using Plexor HY.
QWDGCA	Item 3 e.cell Major: D8S1179, D13S317, TPOX, D18S51, and Amel. Item 4 e.cell Major: D8S1179, D7S820, TH01, D13S317, D2S1338, vWA, Amel, and D5S818
R9N9KG	Item 1 and Item 2 were extracted using organic @ Phenol-Chloroform method. Item 3 and Item 4 were

TABLE 6

WebCode	Additional Comments
	extracted using Chelex method for differential extraction. Separation and detection of amplified products were performed using Applied Biosystem 3130xL Genetic Analyzer and analysis was carried out by GeneMapper ID V3.2.1 Software.
RYYK8	Data in "DNA Analysis - Additional DNA" section was produced using the PowerPlex Fusion kit. NR = no results
T8NRH4	NR = No Results. Additional DNA Results for DYS391 from PowerPlex Fusion
U3TA7X	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
UPTBJZ	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
UTKQH8	Item 1, Item 2, Item 3 and Item 4 were extracted using Chelex extraction method, quantitated using Quantifiler Human DNA Quantification Kit using 7500 Real Time PCR System and amplified using AmpFISTR Identifiler Plus Kit. Item 2, Item 3 and Item 4 were further amplified with Yfiler PCR Kit. Electrophoresis carried out on Genetic Analyzer 3130xl. Reagent Blank, Positive Control and Negative Control carried out along with the analysis.
UVAX36	NR = No results
VCRDNC	Participant's note concerning boxes: Empty box indicates that no experiment was performed on that marker, and "NA" indicates that the experimented marker showed no alleles due to sex.
VRTXBV	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
WM9FMJ	Please include Qiagen Investigator 24 Plex as an option for kit both on paper and online data forms. Thank you!
WQREW8	Please note Item 2 was amplified using both Identifiler Plus and PowerPlex Fusion 5C. Combined results were added to the STR results table.
WRLBBT	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results. Items 1 and 2 were also amplified with the MiniFiler amplification kit; the Minifiler and GlobalFiler results were concordant at the duplicate loci.
WVKJPB	Item 2 was amplified in both Identifiler Plus and Powerplex Fusion.
X9HALZ	NR = No Result
XRH9YU	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results. Item 1 was also amplified with the MiniFiler amplification kit; the MiniFiler and GlobalFiler results were concordant at

TABLE 6

WebCode	Additional Comments
	the duplicate loci.
XTTVQF	[]=allele between analytical and stochastic thresholds
YKT2PZ	NR= No Result
YU6YVR	<p>Victim V and Suspect S1 vs DNA results from Item 3: All alleles of victim's genetic profile (Item 1) are found in the mixture M1 obtained with the stain collected from sample Item 3. The DNA evidence suggests that victim's DNA contributes to the stain found on sample Item 3. Number of alleles of suspect's genetic profile (Item 2) are not found in the mixture M1. The DNA evidence demonstrates that suspect's DNA is excluded as being a contributor to the stain found on sample Item 3. A complete male genetic profile, corresponding to an individual named S2, can be deduced by deconvolution of the victim's genetic profile in M1 and sent to the DNA database for comparison (alleles with brackets). Victim V and Suspect S1 vs DNA results from Item 4: All alleles of victim's genetic profile (Item 1) are found in the mixture M2 obtained with the stain collected from sample Item 4. All alleles of suspect's genetic profile (Item 2) are also found in M2. The DNA evidence suggests that victim's and suspect's DNA contribute to the stain found on sample Item 4. This is statistically evaluated by the two following hypothesis : $H_p : M2=V+S1$, $H_d : M2=V+U$ (unknown individual different from S1). $LR=3E+15$ (with theta 0.02). The DNA evidence is more than 1 billion times more likely if V and the suspect S1 are the source of the stain collected from the sample Item 4 (mixture M2) than if V and some other person unrelated with S1 are the source of the stain found on sample Item 4.</p>
Z9E8AZ	<p>1) Chelex extraction method was used to extract DNA from Item 1, Item 2, Item 3 and Item 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 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 Analyzer with GeneMapper ID Software. 6) Reagent blank, positive control and negative control were carried out throughout the analysis.</p>
ZNRLGQ	<p>The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results. Criminalist [Name] performed Y-screen analysis on this test prior to the DNA analysis by Criminalist [Name].</p>

Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

Test No. 17-5801: DNA-Mixture

DATA MUST BE RECEIVED BY March 6, 2017 TO BE INCLUDED IN THE REPORT

Participant Code:

WebCode:

Accreditation Release Statement

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

- This participant's data is intended for submission to ASCLD/LAB, ANAB, and/or A2LA. (Accreditation Release section on the last page must be completed and submitted.)
- This participant's data is **NOT** intended for submission to ASCLD/LAB, ANAB or A2LA.

Scenario:

Police are investigating a sexual assault involving a female victim. The female was out at a bar with some friends when she began to feel ill, and asked her friends to help get her home. Two of her male friends escorted her home, however the victim has no recollection of arriving home or the events that follow that. Upon waking the next morning, the victim found herself naked in her bed with vaginal tenderness and anal bleeding. Also found at the scene were opened and discarded condom wrappers. Upon questioning the male friends, one of the male suspects volunteered his DNA sample for testing. A sexual assault kit was collected, tested, and found to be negative for any DNA foreign to the victim. Investigators are now submitting stains from the pink bedsheets (Item 3) and the dark gray duvet cover (Item 4) from the victim's bed for additional testing. Screening has been performed on both samples with the following results: both Item 3 (the pink bedsheets) and Item 4 (the dark gray duvet cover) are positive for blood and semen. The screening lab is submitting these samples (Items 3 and 4) along with the known blood samples of the female victim and the male suspect.

Items Submitted (Sample Pack S1):

- Item 1: Known blood from the female victim
- Item 2: Known blood from the male suspect
- Item 3: Questioned blood and semen mixture from the victim's bedsheets (pink material)
- Item 4: Questioned blood and semen mixture from the victim's duvet cover (dark gray material)

Please return all pages of this data sheet.

Page 1 of 8

Part II: 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 policy for reporting homozygotes.
- * If your laboratory policy is to indicate minor or weaker alleles, please enclose them within brackets [].
- * Stains with more than one contributor: If a differential extraction is performed, split the box with a horizontal line and report the results of the different fractions above and below the line - indicate which is the sperm fraction (sp) and which is the epithelial fraction (e) (Example A); otherwise, list the alleles in numerical order (Example B).

Example	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820	
A	<i>e</i>	10,11	15,16	8	12,13	7	8
	<i>sp</i>	12,13	15,17	8,17	11	14,15	11,13
B	[10],[11],12,13	15,[16],17	8,17	[11],12,13	7,14,15	8,11,13	

****Please note Data Sheet Changes****

The data sheet has been updated to include the GlobalFiler™ and PowerPlex® Fusion amplification kits. The sheet has also been updated to include the Next Generation Sequencing Kit ForenSeq™ and the associated STR and YSTR loci.

The YSTR section has also been expanded to include all of the YFiler® Plus loci.

For the amplification kits that contain both STR and YSTR loci, please select the corresponding kit in the STR and YSTR sections, and enter the loci for those sections.

If a locus is not listed on the following 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
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Please return all pages of this data sheet.

Part II (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 only additional kit specific information in the blank provided (i.e.16, Direct, etc.).

COfiler®/Profiler Plus® Identifiler® _____ PowerPlex® _____

GlobalFiler™ _____ ForenSeq™ _____ Other _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	Penta E	SE33	TH01	TPOX	vWA	
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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

Yfiler® _____ GlobalFiler™ _____ PowerPlex® Fusion _____

PowerPlex® Y _____ ForenSeq™ _____ Other _____

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	DYS437	
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ITEM	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ITEM	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	Y GATA H4	Y Indel
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please return all pages of this data sheet.

Part II (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 only additional kit specific information in the blank provided (i.e. 16, Direct, etc.).

COfiler®/Profiler Plus®
 Identifiler® _____
 PowerPlex® _____
 GlobalFiler™ _____
 ForenSeq™ _____
 Other _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	Penta E	SE33	TH01	TPOX	vWA	
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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

Yfiler® _____
 GlobalFiler™ _____
 PowerPlex® Fusion _____
 PowerPlex® Y _____
 ForenSeq™ _____
 Other _____

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	DYS437	
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ITEM	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ITEM	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	Y GATA H4	Y InDel
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please return all pages of this data sheet.

Part II (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 only additional kit specific information in the blank provided (i.e. 16, Direct, etc.).

COfiler®/Profiler Plus® Identifiler® _____ PowerPlex® _____

GlobalFiler™ _____ ForenSeq™ _____ Other _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	Penta E	SE33	TH01	TPOX	vWA	
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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

Yfiler® _____ GlobalFiler™ _____ PowerPlex® Fusion _____

PowerPlex® Y _____ ForenSeq™ _____ Other _____

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	DYS437	
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ITEM	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ITEM	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	Y GATA H4	Y Indel
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please return all pages of this data sheet.

Part II (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 only additional kit specific information in the blank provided (i.e. 16, Direct, etc.).

COfiler®/Profiler Plus®
 Identifiler® _____
 PowerPlex® _____
 GlobalFiler™ _____
 ForenSeq™
 Other _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D4S2408	D5S818
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	D6S1043	D7S820	D8S1179	D9S1122	D10S1248	D12S391
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	D13S317	D16S539	D17S1301	D18S51	D19S433	D20S482
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	D21S11	D22S1045	Amelogenin	CSF1PO	FGA	Penta D
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ITEM	Penta E	SE33	TH01	TPOX	vWA	
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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

Yfiler® _____
 GlobalFiler™
 PowerPlex® Fusion _____
 PowerPlex® Y _____
 ForenSeq™
 Other _____

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	DYS437	
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ITEM	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	DYS505	DYS518	
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ITEM	DYS522	DYS533	DYS549	DYS570	DYS576	DYS612	DYS627	DYS635	DYS643	Y GATA H4	Y Indel
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please return all pages of this data sheet.

Part III: DNA INTERPRETATION

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

<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>			
	Item 3	Item 4		Item 3	Item 4
Yes	<input type="checkbox"/>	<input type="checkbox"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
No	<input type="checkbox"/>	<input type="checkbox"/>	No	<input type="checkbox"/>	<input type="checkbox"/>
Inconclusive	<input type="checkbox"/>	<input type="checkbox"/>	Inconclusive	<input type="checkbox"/>	<input type="checkbox"/>

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

Part IV: 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.

Return Instructions: Data must be received via online data entry, fax (please include a cover sheet), or mail by <i>March 06, 2017</i> to be included in the report. Emailed data sheets are not accepted.		ONLINE DATA ENTRY: www.cts-portal.com
QUESTIONS?	TEL: +1-571-434-1925 (8 am - 4:30 pm EST)	FAX: +1-571-434-1937
EMAIL: forensics@cts-interlab.com www.ctsforensics.com	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. **17-5801: DNA-Mixture**

This release page must be completed and received by **March 6, 2017** to have this participant's submitted data included in the reports forwarded to the respective Accreditation Bodies.

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

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

ASCLD/LAB Certificate No. _____

ANAB Certificate No. _____

A2LA Certificate No. _____

Step 2: Complete the Laboratory Identifying Information in its entirety

Signature and Title _____

Laboratory Name _____

Location (City/State) _____

Accreditation Release	
<u>Return Instructions</u>	
<i>Please submit the completed Accreditation Release at the same time as your full data sheet. See Data Sheet Return Instructions on the previous page.</i>	<i>Questions? Contact us 8 am-4:30 pm EST Telephone: +1-571-434-1925 email: forensics@cts-interlab.com</i>

Please return all pages of this data sheet.