

Summary Report for Test Subscribers

IQAS Distribution 2019-Q2

Released

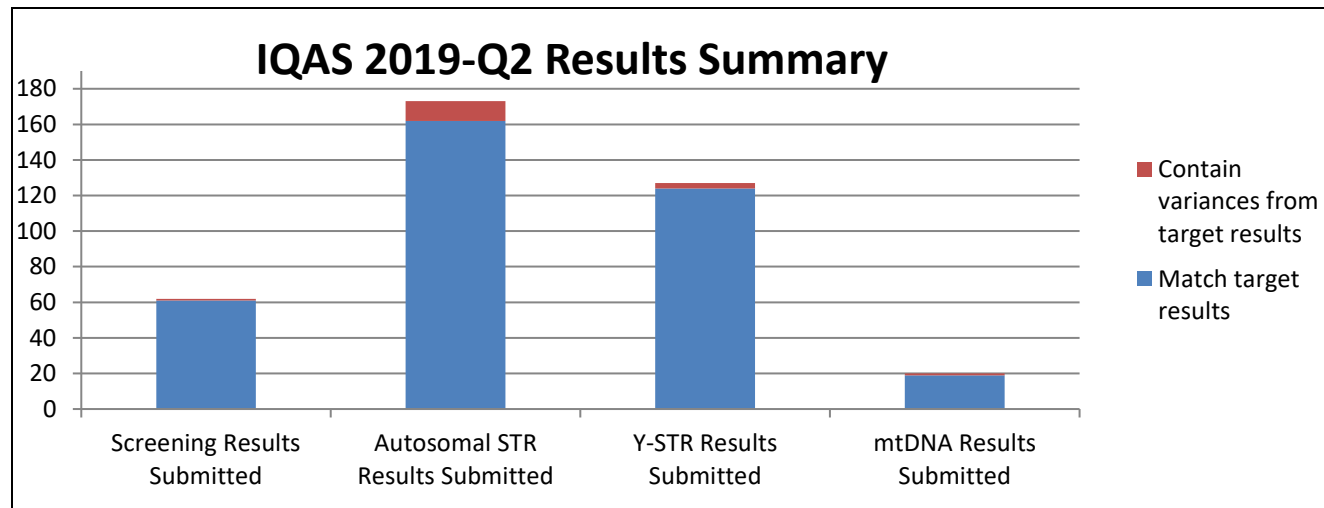
9/19/2019

This summary report contains the results reported by participants in this distribution of IQAS tests. At the discretion of the participants, IQAS tests may be used for various purposes (e.g., training, proficiency testing, validation of new techniques, etc.). The results compiled in the summary report are intended to assist the participants with maintaining or improving the quality of their results and should not be interpreted as a reflection on the quality of the work performed in the profession as a whole.

Results submitted by participants are confidential. Results are reported by test number to maintain participants' anonymity.

Proficiency Test Objectives:

Participants were asked to perform a forensic analysis of evidentiary and/or reference biological materials associated with a mock crime. Some participants were also asked to compare the provided suspect reference material to the evidentiary items. This report contains the expected results as determined by a consensus of at least two pre-distribution testing and/or participant laboratories. A description of how the proficiency samples were manufactured can also be found below. A total of 185 results were received. The results submitted by participants have been compiled and submitted in this report.



Notes Regarding Reporting of Results:

- Screening results can be reported for kits IQAS 10, IQAS 30, and IQAS 60.
- The genotype results tables that follow display results for participants that reported allele data first, followed by the list of participants that reported “Not Tested” or “No Results”.
- In some instances it was necessary to edit a participant's entries to properly format the results into this report. In such instances, the changes can be distinguished by the use of brackets { }.
- An asterisk (*) in the target DNA profile indicates that results for that locus were not received by at least two pre-distribution testing and/or participant laboratories.

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Manufacturing Summary:

Sample Number	Material	Substrate	Match	IQAS Pre Test	IQAS 10	IQAS 20	IQAS 30	IQAS 40	IQAS 40WB	IQAS 50	IQAS 60	IQAS 70
19383	Human Blood	Blood Card	19388	x	x	x	x	x		x	x	
19384	Faux Blood	Blood Card	None	x	x		x				x	
19385	Semen & White Blood Cells	Swab	19388,19389	x						x	x	
19386	Faux Semen	Swab	None	x	x		x				x	
19387	Human Semen	Swab	19389	x	x	x	x					
19388	Human Blood	Blood Card	Reference Sample	x		x	x	x		x	x	
19389	Human Blood	Blood Card	Reference Sample	x		x	x	x		x	x	
19390	Human Blood	Blood Card	Reference Sample	x		x	x	x		x	x	
19388	Human Whole Blood	None	Database Sample						x			
19389	Human Whole Blood	None	Database Sample						x			
19390	Human Whole Blood	None	Database Sample						x			
19391	White Blood Cells	Swab	Database Sample									x
19392	White Blood Cells	Swab	Database Sample									x
19393	White Blood Cells	Swab	Database Sample									x

Screening Results:

Test Number	Sample Number	Blood	Semen	Saliva	Other Body fluid / Result
Target	19383	Positive	Negative	Negative	
301	19383	Positive	Not Tested	Not Tested	Human Blood/Positive
303	19383	Positive	Not Tested	Not Tested	Phenolphthalein, Hematrace Positive
304	19383	Positive	Not Tested	Not Tested	
305	19383	Positive	Not Tested	Not Tested	
306	19383	Positive	Not Tested	Not Tested	
307	19383	Positive	Not Tested	Not Tested	
308	19383	Positive	Not Tested	Not Tested	
309	19383	Positive	Not Tested	Not Tested	
310	19383	Positive	Not Tested	Not Tested	
311	19383	Positive	Not Tested	Not Tested	
312	19383	Positive	Not Tested	Not Tested	
344	19383	Positive	Not Tested	Not Tested	
345	19383	Positive	Not Tested	Not Tested	
346	19383	Positive	Not Tested	Not Tested	
347	19383	Positive	Not Tested	Not Tested	N/A
350	19383	Positive	Not Tested	Not Tested	
351	19383	Positive	Not Tested	Not Tested	
352	19383	Positive	Not Tested	Not Tested	
353	19383	Positive	Not Tested	Not Tested	
354	19383	Positive	Not Tested	Not Tested	
355	19383	Positive	Not Tested	Not Tested	Not Tested
356	19383	Positive	Not Tested	Not Tested	
357	19383	Positive	Not Tested	Not Tested	
429	19383	Positive	Not Tested	Not Tested	
441	19383	Positive	Negative	Not Tested	Hematrace/Positive ALS/Negative

Screening Results:

Test Number	Sample Number	Blood	Semen	Saliva	Other Body fluid / Result
Target	19383	Positive	Negative	Negative	
442	19383	Positive	Negative	Not Tested	Hematrace/Positive ALS/Negative
443	19383	Positive	Negative	Not Tested	
444	19383	Positive	Negative	Not Tested	
445	19383	Positive	Negative	Not Tested	
446	19383	Positive	Negative	Not Tested	
447	19383	Positive	Negative	Not Tested	
448	19383	Positive	Negative	Not Tested	
449	19383	Positive	Negative	Not Tested	N/A
450	19383	Positive	Negative	Not Tested	N/A
451	19383	Positive	Negative	Not Tested	Hematrace - Positive ALS - Negative
452	19383	Positive	Negative	Not Tested	
453	19383	Positive	Negative	Not Tested	N/A
454	19383	Positive	Negative	Not Tested	N/A
455	19383	Positive	Negative	Not Tested	
456	19383	Positive	Negative	Not Tested	ALS: Negative
457	19383	Positive	Negative	Not Tested	N/A
458	19383	Positive	Negative	Not Tested	
459	19383	Positive	Negative	Not Tested	
460	19383	Positive	Negative	Not Tested	
461	19383	Positive	Negative	Not Tested	n/a
462	19383	Positive	Negative	Not Tested	
463	19383	Positive	Negative	Not Tested	
464	19383	Positive	Negative	Not Tested	
465	19383	Positive	Negative	Not Tested	
466	19383	Positive	Negative	Not Tested	

Screening Results:

Test Number	Sample Number	Blood	Semen	Saliva	Other Body fluid / Result
Target	19383	Positive	Negative	Negative	
471	19383	Not Tested	Not Tested	Not Tested	
472	19383	Not Tested	Not Tested	Not Tested	
473	19383	Not Tested	Not Tested	Not Tested	
474	19383	Not Tested	Not Tested	Not Tested	Not Tested
476	19383	Not Tested	Not Tested	Not Tested	
477	19383	Not Tested	Not Tested	Not Tested	
478	19383	Not Tested	Not Tested	Not Tested	
479	19383	Not Tested	Not Tested	Not Tested	
482	19383	Positive	Not Tested	Negative	
483	19383	Positive	Negative	Negative	
493	19383	Positive	Negative	Negative	
494	19383	Positive	Negative	Not Tested	
496	19383	Positive	Not Tested	Not Tested	
497	19383	Positive	Not Tested	Not Tested	
498	19383	Positive	Not Tested	Not Tested	
499	19383	Positive	Not Tested	Not Tested	
505	19383	Positive	Negative	Not Tested	
506	19383	Positive	Not Tested	Not Tested	
507	19383	Positive			
508	19383	Positive	Negative	Negative	

Screening Results:

Test Number	Sample Number	Blood	Semen	Saliva	Other Body fluid / Result
Target	19384	Negative	Negative	Negative	
301	19384	Negative	Not Tested	Not Tested	
303	19384	Negative	Not Tested	Not Tested	
304	19384	Negative	Not Tested	Not Tested	
305	19384	Negative	Not Tested	Not Tested	
306	19384	Negative	Not Tested	Not Tested	
307	19384	Negative	Not Tested	Not Tested	
308	19384	Negative	Not Tested	Not Tested	
309	19384	Negative	Not Tested	Not Tested	
310	19384	Negative	Not Tested	Not Tested	
311	19384	Negative	Not Tested	Not Tested	
312	19384	Negative	Not Tested	Not Tested	
344	19384	Negative	Not Tested	Not Tested	
345	19384	Negative	Not Tested	Not Tested	
346	19384	Negative	Not Tested	Not Tested	
347	19384	Negative	Not Tested	Not Tested	N/A
350	19384	Negative	Not Tested	Not Tested	
351	19384	Negative	Not Tested	Not Tested	
352	19384	Negative	Not Tested	Not Tested	
353	19384	Negative	Not Tested	Not Tested	
354	19384	Negative	Not Tested	Not Tested	
355	19384	Negative	Not Tested	Not Tested	Not Tested
356	19384	Negative	Not Tested	Not Tested	
357	19384	Negative	Not Tested	Not Tested	
429	19384	Negative	Not Tested	Not Tested	
441	19384	Negative	Negative	Not Tested	Hematrace/Negative ALS/Negative

Screening Results:

Test Number	Sample Number	Blood	Semen	Saliva	Other Body fluid / Result
Target	19384	Negative	Negative	Negative	
442	19384	Negative	Negative	Not Tested	Hematrace/Negative ALS/Negative
443	19384	Negative	Negative	Not Tested	
444	19384	Negative	Negative	Not Tested	
445	19384	Negative	Negative	Not Tested	
446	19384	Negative	Negative	Not Tested	
447	19384	Negative	Negative	Not Tested	
448	19384	Negative	Negative	Not Tested	
449	19384	Negative	Negative	Not Tested	N/A
450	19384	Negative	Negative	Not Tested	N/A
451	19384	Negative	Negative	Not Tested	Hematrace - Negative ALS - Negative
452	19384	Negative	Negative	Not Tested	
453	19384	Negative	Negative	Not Tested	N/A
454	19384	Negative	Negative	Not Tested	N/A
455	19384	Negative	Negative	Not Tested	
456	19384	Negative	Negative	Not Tested	ALS: Negative
457	19384	Negative	Negative	Not Tested	N/A
458	19384	Negative	Negative	Not Tested	
459	19384	Negative	Negative	Not Tested	
460	19384	Negative	Negative	Not Tested	
461	19384	Negative	Negative	Not Tested	n/a
462	19384	Negative	Negative	Not Tested	
463	19384	Negative	Negative	Not Tested	
464	19384	Negative	Negative	Not Tested	
465	19384	Negative	Negative	Not Tested	
466	19384	Negative	Negative	Not Tested	

Screening Results:

Test Number	Sample Number	Blood	Semen	Saliva	Other Body fluid / Result
Target	19384	Negative	Negative	Negative	
471	19384	Not Tested	Not Tested	Not Tested	
472	19384	Not Tested	Not Tested	Not Tested	
473	19384	Not Tested	Not Tested	Not Tested	
474	19384	Not Tested	Not Tested	Not Tested	Not Tested
476	19384	Not Tested	Not Tested	Not Tested	
477	19384	Not Tested	Not Tested	Not Tested	
478	19384	Not Tested	Not Tested	Not Tested	
479	19384	Not Tested	Not Tested	Not Tested	
482	19384	Negative	Not Tested	Negative	
483	19384	Negative	Negative	Negative	
493	19384	Negative	Negative	Negative	
494	19384	Negative	Negative	Not Tested	
496	19384	Negative	Not Tested	Not Tested	
497	19384	Negative	Not Tested	Not Tested	
498	19384	Negative	Not Tested	Not Tested	
499	19384	Negative	Not Tested	Not Tested	
505	19384	Negative	Negative	Not Tested	
506	19384	Negative	Not Tested	Not Tested	
507	19384	Negative			
508	19384	Negative	Negative	Negative	

Screening Results:

Test Number	Sample Number	Blood	Semen	Saliva	Other Body fluid / Result
Target	19385	Negative	Positive	Negative	
301	19385	Not Tested	Positive	Not Tested	Spermatozoa /Positive
303	19385	Not Tested	Positive	Not Tested	Seminal fluid Positive
304	19385	Not Tested	Positive	Not Tested	
305	19385	Not Tested	Positive	Not Tested	
306	19385	Not Tested	Positive	Not Tested	
307	19385	Not Tested	Positive	Not Tested	
308	19385	Not Tested	Positive	Not Tested	
309	19385	Not Tested	Positive	Not Tested	
310	19385	Not Tested	Positive	Not Tested	
311	19385	Not Tested	Positive	Not Tested	
312	19385	Not Tested	Positive	Not Tested	
482	19385	Not Tested	Positive	Negative	
483	19385	Negative	Positive	Negative	
493	19385	Negative	Positive	Negative	
498	19385	Not Tested	Positive	Not Tested	
499	19385	Not Tested	Positive	Not Tested	

Screening Results:

Test Number	Sample Number	Blood	Semen	Saliva	Other Body fluid / Result
Target	19386	Negative	Negative	Negative	
301	19386	Not Tested	Negative	Not Tested	Spermatozoa, Semenogelin & PSA/Negative
303	19386	Not Tested	Negative	Not Tested	Seminal fluid Negative
304	19386	Not Tested	Negative	Not Tested	
305	19386	Not Tested	Negative	Not Tested	
306	19386	Not Tested	Negative	Not Tested	
307	19386	Not Tested	Negative	Not Tested	
308	19386	Not Tested	Negative	Not Tested	
309	19386	Not Tested	Negative	Not Tested	
310	19386	Not Tested	Negative	Not Tested	
311	19386	Not Tested	Negative	Not Tested	
312	19386	Not Tested	Negative	Not Tested	
344	19386	Not Tested	Negative	Not Tested	
345	19386	Not Tested	Negative	Not Tested	
346	19386	Not Tested	Negative	Not Tested	
347	19386	Not Tested	Negative	Not Tested	N/A
350	19386	Not Tested	Negative	Not Tested	
351	19386	Not Tested	Negative	Not Tested	
352	19386	Not Tested	Negative	Not Tested	
353	19386	Not Tested	Negative	Not Tested	
354	19386	Not Tested	Negative	Not Tested	
355	19386	Not Tested	Negative	Not Tested	Not Tested
356	19386	Not Tested	Negative	Not Tested	
357	19386	Not Tested	Negative	Not Tested	
429	19386	Not Tested	Negative	Negative	
441	19386	Not Tested	Negative	Not Tested	

Screening Results:

Test Number	Sample Number	Blood	Semen	Saliva	Other Body fluid / Result
Target	19386	Negative	Negative	Negative	
442	19386	Not Tested	Negative	Not Tested	
443	19386	Not Tested	Negative	Not Tested	
444	19386	Not Tested	Negative	Not Tested	
445	19386	Not Tested	Negative	Not Tested	
446	19386	Not Tested	Negative	Not Tested	
447	19386	Not Tested	Negative	Not Tested	
448	19386	Not Tested	Negative	Not Tested	
449	19386	Not Tested	Negative	Not Tested	N/A
450	19386	Not Tested	Negative	Not Tested	N/A
451	19386	Not Tested	Negative	Not Tested	
452	19386	Not Tested	Negative	Not Tested	
453	19386	Not Tested	Negative	Not Tested	N/A
454	19386	Not Tested	Negative	Not Tested	N/A
455	19386	Not Tested	Negative	Not Tested	
456	19386	Not Tested	Negative	Not Tested	
457	19386	Not Tested	Negative	Not Tested	N/A
458	19386	Not Tested	Negative	Not Tested	
459	19386	Not Tested	Negative	Not Tested	
460	19386	Not Tested	Negative	Not Tested	
461	19386	Not Tested	Negative	Not Tested	n/a
462	19386	Not Tested	Negative	Not Tested	
463	19386	Not Tested	Negative	Not Tested	
464	19386	Not Tested	Negative	Not Tested	
465	19386	Not Tested	Negative	Not Tested	
466	19386	Not Tested	Negative	Not Tested	

Screening Results:

Test Number	Sample Number	Blood	Semen	Saliva	Other Body fluid / Result
Target	19386	Negative	Negative	Negative	
471	19386	Not Tested	Not Tested	Not Tested	
472	19386	Not Tested	Not Tested	Not Tested	
473	19386	Not Tested	Not Tested	Not Tested	
474	19386	Not Tested	Not Tested	Not Tested	Not Tested
476	19386	Not Tested	Not Tested	Not Tested	
477	19386	Not Tested	Not Tested	Not Tested	
478	19386	Not Tested	Not Tested	Not Tested	
479	19386	Not Tested	Not Tested	Not Tested	
482	19386	Not Tested	Negative	Negative	
483	19386	Negative	Negative	Negative	
493	19386	Negative	Negative	Negative	
494	19386	Negative	Negative	Not Tested	
496	19386	Not Tested	Negative	Negative	
497	19386	Not Tested	Negative	Negative	
498	19386	Not Tested	Negative	Negative	
499	19386	Not Tested	Negative	Negative	
505	19386	Negative	Negative	Not Tested	
506	19386	Not Tested	Negative	Not Tested	
507	19386		Negative		
508	19386	Negative	Negative	Negative	

Screening Results:

Test Number	Sample Number	Blood	Semen	Saliva	Other Body fluid / Result
Target	19387	Negative	Positive	Negative	
301	19387	Not Tested	Positive	Not Tested	Semenogelin & PSA/Positive
303	19387	Not Tested	Positive	Not Tested	Seminal fluid Positive
304	19387	Not Tested	Positive	Not Tested	
305	19387	Not Tested	Positive	Not Tested	
306	19387	Not Tested	Positive	Not Tested	
307	19387	Not Tested	Positive	Not Tested	
308	19387	Not Tested	Positive	Not Tested	
309	19387	Not Tested	Positive	Not Tested	
310	19387	Not Tested	Positive	Not Tested	
311	19387	Not Tested	Positive	Not Tested	
312	19387	Not Tested	Positive	Not Tested	
344	19387	Not Tested	Positive	Not Tested	
345	19387	Not Tested	Positive	Not Tested	
346	19387	Not Tested	Positive	Not Tested	
347	19387	Not Tested	Positive	Not Tested	N/A
350	19387	Not Tested	Positive	Not Tested	
351	19387	Not Tested	Positive	Not Tested	
352	19387	Not Tested	Positive	Not Tested	
353	19387	Not Tested	Positive	Not Tested	
354	19387	Not Tested	Positive	Not Tested	
355	19387	Not Tested	Positive	Not Tested	Not Tested
356	19387	Not Tested	Positive	Not Tested	
357	19387	Not Tested	Positive	Not Tested	
429	19387	Not Tested	Negative	Negative	
441	19387	Not Tested	Positive	Not Tested	

Screening Results:

Test Number	Sample Number	Blood	Semen	Saliva	Other Body fluid / Result
Target	19387	Negative	Positive	Negative	
442	19387	Not Tested	Positive	Not Tested	
443	19387	Not Tested	Positive	Not Tested	
444	19387	Not Tested	Positive	Not Tested	
445	19387	Not Tested	Positive	Not Tested	
446	19387	Not Tested	Positive	Not Tested	
447	19387	Not Tested	Positive	Not Tested	
448	19387	Not Tested	Positive	Not Tested	
449	19387	Not Tested	Positive	Not Tested	N/A
450	19387	Not Tested	Positive	Not Tested	N/A
451	19387	Not Tested	Positive	Not Tested	
452	19387	Not Tested	Positive	Not Tested	
453	19387	Not Tested	Positive	Not Tested	N/A
454	19387	Not Tested	Positive	Not Tested	N/A
455	19387	Not Tested	Positive	Not Tested	
456	19387	Not Tested	Positive	Not Tested	
457	19387	Not Tested	Positive	Not Tested	N/A
458	19387	Not Tested	Positive	Not Tested	
459	19387	Not Tested	Positive	Not Tested	Sperm/Positive
460	19387	Not Tested	Positive	Not Tested	
461	19387	Not Tested	Positive	Not Tested	n/a
462	19387	Not Tested	Positive	Not Tested	
463	19387	Not Tested	Positive	Not Tested	
464	19387	Not Tested	Positive	Not Tested	
465	19387	Not Tested	Positive	Not Tested	
466	19387	Not Tested	Positive	Not Tested	

Screening Results:

Test Number	Sample Number	Blood	Semen	Saliva	Other Body fluid / Result
Target	19387	Negative	Positive	Negative	
471	19387	Not Tested	Not Tested	Not Tested	
472	19387	Not Tested	Not Tested	Not Tested	
473	19387	Not Tested	Not Tested	Not Tested	
474	19387	Not Tested	Not Tested	Not Tested	Not Tested
476	19387	Not Tested	Not Tested	Not Tested	
477	19387	Not Tested	Not Tested	Not Tested	
478	19387	Not Tested	Not Tested	Not Tested	
479	19387	Not Tested	Not Tested	Not Tested	
494	19387	Negative	Positive	Not Tested	
496	19387	Not Tested	Positive	Not Tested	
497	19387	Not Tested	Positive	Not Tested	
505	19387	Negative	Positive	Not Tested	
506	19387	Not Tested	Positive	Not Tested	
507	19387		Positive		
508	19387	Negative	Positive	Negative	

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
301	GlobalFiler GlobalFiler Express PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
302	Identifiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
303	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
304	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
305	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
306	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
307	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
308	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
309	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
310	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
311	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
312	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
324	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
325	PowerPlex Fusion Minifiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
326	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
327	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
329	PowerPlex Fusion Minifiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
331	PowerPlex Fusion Minifiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
332	PowerPlex Fusion Minifiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
333	PowerPlex Fusion Minifiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
334	PowerPlex Fusion Minifiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
335	Identifiler Plus	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
336	Identifiler Plus Minifiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
338	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
342	PowerPlex Fusion Minifiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
344	GlobalFiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
345	GlobalFiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
346	GlobalFiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
347	GlobalFiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
348	GlobalFiler Express	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
349	GlobalFiler Express	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X, X	11	21		
350	GlobalFiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
351	GlobalFiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
352	GlobalFiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
353	GlobalFiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
354	GlobalFiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
355	GlobalFiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
356	GlobalFiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
357	GlobalFiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
358	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
359	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
360	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
361	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
362	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
363	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
364	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
365	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
366	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
367	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
368	GlobalFiler Express Minifiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
369	GlobalFiler Minifiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
370	GlobalFiler Express Minifiler Identifier Direct	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
371	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
372	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
373	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
376	GlobalFiler Express	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
377	GlobalFiler Express	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
378	GlobalFiler Express	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X, X	11	21		
379	GlobalFiler Express	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
380	GlobalFiler Express	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
381	GlobalFiler Express	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
383	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
384	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
385	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
387	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
388	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
389	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
390	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
391	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
392	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
394	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
395	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
396	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
397	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
398	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
399	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
400	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
401	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
402	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
403	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
404	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
405	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
406	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
407	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
408	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
409	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
410	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
411	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
412	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
413	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
414	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
415	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
416	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
417	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
418	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
419	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
420	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
421	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
422	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
428	Investigator 24plex	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
430	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
431	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
432	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
433	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
435	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
436	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
438	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
443	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
444	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
445	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
446	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
447	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
448	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
449	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
450	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
451	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
452	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
453	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
454	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
455	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
456	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
457	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
458	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
459	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
460	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
461	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
462	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
463	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
464	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
465	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
466	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
471	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
472	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
473	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
474	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
476	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
477	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
478	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
479	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
481	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
482	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X, X	11	21	8, 14	12, 14
483	PowerPlex Fusion	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X, X	11	21	8, 14	12, 14
486	GlobalFiler PowerPlex Fusion 6C	19383	13, 16	29, (35), 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
487	GlobalFiler PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
488	GlobalFiler PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
489	GlobalFiler PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
490	GlobalFiler PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
491	GlobalFiler PowerPlex Fusion 6C	19383	13, 16	29, (35), 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
492	NGM SElect	19383	13, 16	29, 36			14, 15	7, 9.3		10, 11	17, 25	13, 15	16, 16		15, 19	X, X		21, 21		
493	PowerPlex Fusion 6C	19383	13, 16	29, 36	(8), 8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
497	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
498	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
499	PowerPlex Fusion 6C	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
505	GlobalFiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
506	GlobalFiler	19383	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
437	Not Tested	19383																		
440	Not Tested	19383																		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19384	Faux Sample																	
301	No Results	19384																		
302	No Results	19384																		
303	No Results	19384																		
304	No Results	19384																		
305	No Results	19384																		
306	No Results	19384																		
307	No Results	19384																		
308	No Results	19384																		
309	No Results	19384																		
310	No Results	19384																		
311	No Results	19384																		
312	No Results	19384																		
344	Not Tested	19384																		
345	Not Tested	19384																		
346	Not Tested	19384																		
347	Not Tested	19384																		
350	Not Tested	19384																		
351	Not Tested	19384																		
352	Not Tested	19384																		
353	Not Tested	19384																		
354	Not Tested	19384																		
355	Not Tested	19384																		
356	Not Tested	19384																		
357	Not Tested	19384																		
443	Not Tested	19384																		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19384	Faux Sample																	
444	Not Tested	19384																		
445	Not Tested	19384																		
446	Not Tested	19384																		
447	Not Tested	19384																		
448	Not Tested	19384																		
449	Not Tested	19384																		
450	Not Tested	19384																		
451	Not Tested	19384																		
452	Not Tested	19384																		
453	Not Tested	19384																		
454	Not Tested	19384																		
455	Not Tested	19384																		
456	Not Tested	19384																		
457	Not Tested	19384																		
458	Not Tested	19384																		
459	Not Tested	19384																		
460	Not Tested	19384																		
461	Not Tested	19384																		
462	Not Tested	19384																		
463	Not Tested	19384																		
464	Not Tested	19384																		
465	Not Tested	19384																		
466	Not Tested	19384																		
471	Not Tested	19384																		
472	Not Tested	19384																		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19384	Faux Sample																	
473	Not Tested	19384																		
474	Not Tested	19384																		
476	No Results	19384																		
477	No Results	19384																		
478	Not Tested	19384																		
479	No Results	19384																		
482	Not Tested	19384																		
483	Not Tested	19384																		
493	No Results	19384																		
497	Not Tested	19384																		
498	Not Tested	19384																		
499	Not Tested	19384																		
505	Not Tested	19384																		
506	Not Tested	19384																		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19385e	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
301	GlobalFiler GlobalFiler Express PowerPlex Fusion 6C	19385e	(12), 13, 16	29, (31.2), 36	8.1, 11	10, 11, (13)	14, 15	7, 9.3	(9), 12, 12	10, 11	17, 25	13, (14.2), 15	(15), 16, 16	8, 8	15, 19	X, X, (Y)	11, 11	21, 21, (23), (24)		
302	Identifiler	19385e	(12), 13, 16	29, (31.2), 36	8.1, 11	10, 11	14, 15	(6), 7, 9.3	(9), (11), 12	10, 11, (12)	17, 25	13, (14.2), 15	(15), 16	8, (11)	15, 19	X, (Y)	11, 11	21, (23), (24)		
303	PowerPlex Fusion 6C	19385e	13, 16	29, (31.2), 36	8.1, (9), 11	10, 11	14, (15)	(6), 7, 9.3	12, 12	10, 11	17, (23), 25	13, 15	16, 16	8, (11)	15, 19	X, (Y)	11, 11	21, (23), (24)	8, (13), 14	12, 14
304	PowerPlex Fusion 6C	19385e	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	(9), 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, (23)	8, 14	12, 14
305	PowerPlex Fusion 6C	19385e	13, 16	29, (31.2), 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11, (12)	17, 25	13, 15	16, 16	8, 8	15, 19	X, (Y)	11, 11	21, (23)	8, (13), 14	12, 14
306	PowerPlex Fusion 6C	19385e	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
307	PowerPlex Fusion 6C	19385e	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
308	PowerPlex Fusion 6C	19385e	13, 16	29, 36	(8.1), 11	10, (11)	14, 15	7, 9.3	12, 12	10, 11	17, (25)	13, 15	16, 16	8, 8	15, 19	X, (Y)	11, 11	21, 21	8, (14)	12, 14
309	PowerPlex Fusion 6C	19385e	13, 16	29, 36	(8.1), 11	10, 11	14, 15	7, 9.3	(9), 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, (23)	8, (13), 14	12, 14
310	PowerPlex Fusion 6C	19385e	13, 16	29, 36	8.1, 11	10, 11, (13)	14, 15	(6), 7, 9.3	12, 12	10, 11, (12)	17, 25	13, (14.2), 15	16, 16	8, 8	(14), 15, 19	X, X	11, 11	21, (24)	8, (11), (13), 14	12, 14
311	PowerPlex Fusion 6C	19385e	13, 16	29, (31.2), 36	8.1, 11	10, 11	14, 15	(6), 7, 9.3	12, 12	10, 11, (12)	17, 25	13, 15	16, 16	8, 8	(14), 15, 19	X, X	11, 11	21, (23)	8, 14	(10), 12, 14
312	PowerPlex Fusion 6C	19385e	13, 16	29, (31.2), 36	8.1, (9), 11	10, 11	14, 15	(6), 7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, (Y)	11, 11	21, (23)	8, (13), 14	12, 14
428	Investigator 24plex	19385e	13, 16	29, (31.2), 36	8.1, (9), 11	10, 11, (13)	14, 15	(6), 7, 9.3	(9), (11), 12	10, 11, (12)	17, 25	13, 15	16	8, (11)	(14), 15, 19	X, (Y)	11	21, (23), (24)		
482	PowerPlex Fusion	19385e	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X, X	11	21	8, 14	12, 14
483	PowerPlex Fusion	19385e	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X, X	11	21	8, 14	12, 14
486	GlobalFiler PowerPlex Fusion 6C	19385e	(12), 13, 16	29, (31.2), 36	(8), 8.1, (9), 11	10, 11, (13)	14, 15	(6), 7, 9.3	(9), (11), 12, 12	10, 11	17, (23), 25	13, (14.2), 15	16, 16	8, 8	15, 19	X, X, (Y)	11, 11	21, 21, (23), (24)		
487	GlobalFiler PowerPlex Fusion 6C	19385e	(12), 13, 16	29, (31.2), 36	(8), 8.1, (9), 11	10, 11	14, 15	(6), 7, 9.3	(9), (11), 12, 12	10, 11	17, (23), 25	13, 15	16, 16	8, 8	(14), 15, 19	X, X, (Y)	11, 11	21, 21, (23), (24)		
488	GlobalFiler PowerPlex Fusion 6C	19385e	13, 16	29, 36	(8), 8.1, (9), 11	10, 11	14, 15	(6), 7, 9.3	(9), 12, 12	10, 11	17, (23), 25	13, (14.2), 15	16, 16	8, 8, (11)	(14), 15, 19	X, X, (Y)	11, 11	21, 21, (23), (24)		
489	GlobalFiler PowerPlex Fusion 6C	19385e	13, 16	29, 36	(8), 8.1, 11	10, 11	14, 15	7, 9.3	(9, 11), 12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X, (Y)	11, 11	21, 21, (23)		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19385e	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
490	GlobalFiler PowerPlex Fusion 6C	19385e	13, 16	29, (31.2), 36	(8), 8.1, (9), 11	10, 11	14, 15	(6), 7, 9.3	(9), (11), 12, 12	10, 11	17, (23), 25	13, (14.2), 15	16, 16	8, 8	15, 19	X, X (Y)	11, 11	21, 21, (23), (24)		
491	GlobalFiler PowerPlex Fusion 6C	19385e	13, 16	29, (31.2), 35, 36	(8), 8.1, (9), 11	10, 11, (13)	14, 15	(6), 7, 9.3	(9, 11), 12, 12	10, 11	17, (23), 25	13, 15	(15), 16, 16	8, 8	15, 19	X, X, (Y)	11, 11	21, 21, (23, 24)		
492	NGM SElect	19385e	(12), 13, 16	29, (31.2), (35), 36			14, 15	(6), 7, 9.3		10, 11, (12)	17, (23), 25	13, (14.2), 15	(15), 16		(14), 15, 19	X, (Y)		21, (23), (24)		
493	PowerPlex Fusion 6C	19385e	(12), 13, 16	29, (31.2), 36	(8), 8.1, (9), 11	10, 11, (13)	14, 15	(6), 7, 9.3	(9), (11), 12	10, 11, (12)	17, (23), 25	13, (14.2), 15	16	8, (11)	(14), 15, 19	X, (Y)	11	21, (23), (24)	8, (11), (13), 14	12, 14
498	PowerPlex Fusion 6C	19385e	13, 16	29, (31.2), 36	8.1, (9), 11	10, 11	14, 15	(6), 7, 9.3	(9), 12	10, 11, (12)	17, (23), 25	13, (14.2), 15	16	8	15, 19	X (Y)	11	21, (23), (24)	8, (11), 14	(10), 12, 14
499	PowerPlex Fusion 6C	19385e	(12), 13, 16	29, (31.2), (35), 36	8.1, (9), 11	10, 11	14, 15	(6), 7, 9.3	(9), 12	10, 11, (12)	17, (23), 25	13, (14.2), 15	16	8	(14), 15, 19	X, (Y)	11	21, (23), (24)	8, (11), (13), 14	(10), 12, 14

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
301	GlobalFiler GlobalFiler Express PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
302	Identifiler	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
303	PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
304	PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
305	PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
306	PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
307	PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
308	PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
309	PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
310	PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
311	PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
312	PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
428	Investigator 24plex	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
482	PowerPlex Fusion	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
483	PowerPlex Fusion	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
486	GlobalFiler PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
487	GlobalFiler PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
488	GlobalFiler PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
489	GlobalFiler PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	(13), 14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	(21), 23, 24		
490	GlobalFiler PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
491	GlobalFiler PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
492	NGM SElect	19385s	12, 13	29, 31.2			14, 15	6, 7		11, 12	17, 23	14.2, 15	15, 16		14, 19	X, Y		23, 24		
493	PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
498	PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
499	PowerPlex Fusion 6C	19385s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19386e	Faux Sample																	
301	No Results	19386e																		
302	No Results	19386e																		
303	No Results	19386e																		
304	No Results	19386e																		
305	No Results	19386e																		
306	No Results	19386e																		
307	No Results	19386e																		
308	No Results	19386e																		
309	No Results	19386e																		
310	No Results	19386e																		
311	No Results	19386e																		
312	No Results	19386e																		
344	Not Tested	19386e																		
345	Not Tested	19386e																		
346	Not Tested	19386e																		
347	Not Tested	19386e																		
350	Not Tested	19386e																		
351	Not Tested	19386e																		
352	Not Tested	19386e																		
353	Not Tested	19386e																		
354	Not Tested	19386e																		
355	Not Tested	19386e																		
356	Not Tested	19386e																		
357	Not Tested	19386e																		
443	No Results	19386e																		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	VWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19386e	Faux Sample																	
444	No Results	19386e																		
445	No Results	19386e																		
446	No Results	19386e																		
447	No Results	19386e																		
448	No Results	19386e																		
449	No Results	19386e																		
450	No Results	19386e																		
451	No Results	19386e																		
452	No Results	19386e																		
453	No Results	19386e																		
454	No Results	19386e																		
455	No Results	19386e																		
456	No Results	19386e																		
457	No Results	19386e																		
458	No Results	19386e																		
459	No Results	19386e																		
460	No Results	19386e																		
461	No Results	19386e																		
462	No Results	19386e																		
463	No Results	19386e																		
464	No Results	19386e																		
465	No Results	19386e																		
466	No Results	19386e																		
471	Not Tested	19386e																		
472	Not Tested	19386e																		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19386e	Faux Sample																	
473	Not Tested	19386e																		
474	Not Tested	19386e																		
476	No Results	19386e																		
477	No Results	19386e																		
478	Not Tested	19386e																		
479	No Results	19386e																		
482	Not Tested	19386e																		
483	Not Tested	19386e																		
493	No Results	19386e																		
497	Not Tested	19386e																		
498	Not Tested	19386e																		
499	Not Tested	19386e																		
505	Not Tested	19386e																		
506	Not Tested	19386e																		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19386s	Faux Sample																	
301	Not Tested	19386s																		
302	No Results	19386s																		
303	No Results	19386s																		
304	No Results	19386s																		
305	No Results	19386s																		
306	No Results	19386s																		
307	No Results	19386s																		
308	No Results	19386s																		
309	No Results	19386s																		
310	No Results	19386s																		
311	No Results	19386s																		
312	No Results	19386s																		
344	Not Tested	19386s																		
345	Not Tested	19386s																		
346	Not Tested	19386s																		
347	Not Tested	19386s																		
350	Not Tested	19386s																		
351	Not Tested	19386s																		
352	Not Tested	19386s																		
353	Not Tested	19386s																		
354	Not Tested	19386s																		
355	Not Tested	19386s																		
356	Not Tested	19386s																		
357	Not Tested	19386s																		
443	Not Tested	19386s																		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19386s	Faux Sample																	
444	Not Tested	19386s																		
445	Not Tested	19386s																		
446	Not Tested	19386s																		
447	Not Tested	19386s																		
448	Not Tested	19386s																		
449	Not Tested	19386s																		
450	Not Tested	19386s																		
451	Not Tested	19386s																		
452	Not Tested	19386s																		
453	Not Tested	19386s																		
454	Not Tested	19386s																		
455	Not Tested	19386s																		
456	Not Tested	19386s																		
457	Not Tested	19386s																		
458	Not Tested	19386s																		
459	Not Tested	19386s																		
460	Not Tested	19386s																		
461	Not Tested	19386s																		
462	Not Tested	19386s																		
463	No Results	19386s																		
464	Not Tested	19386s																		
465	Not Tested	19386s																		
466	No Results	19386s																		
471	Not Tested	19386s																		
472	Not Tested	19386s																		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19386s	Faux Sample																	
473	Not Tested	19386s																		
474	Not Tested	19386s																		
476	No Results	19386s																		
477	No Results	19386s																		
478	Not Tested	19386s																		
479	No Results	19386s																		
482	Not Tested	19386s																		
483	Not Tested	19386s																		
493	No Results	19386s																		
497	Not Tested	19386s																		
498	Not Tested	19386s																		
499	Not Tested	19386s																		
505	Not Tested	19386s																		
506	Not Tested	19386s																		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
301	GlobalFiler GlobalFiler Express PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
303	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, (13)	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
304	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
305	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
306	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, (23)	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, (13)	10, 12
307	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
308	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
309	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, (15)	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
310	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
311	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
312	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, (11)	14, 19	X, Y	11, 11	23, 24	11, 13	(10), 12
344	GlobalFiler	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
345	GlobalFiler	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
346	GlobalFiler	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
347	GlobalFiler	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
350	GlobalFiler	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
351	GlobalFiler	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
352	GlobalFiler	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	XY	11	23, 24		
353	GlobalFiler	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
354	GlobalFiler	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
355	GlobalFiler	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
356	GlobalFiler	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
357	GlobalFiler	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
358	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
359	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
360	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
361	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
362	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
363	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
364	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
365	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
366	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
371	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
372	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
373	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
383	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
384	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
385	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
387	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
388	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
389	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
390	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
391	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
392	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
394	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
395	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
396	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
397	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
398	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
399	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
400	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
401	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
402	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
403	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
404	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
405	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
406	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
407	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
408	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
409	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
410	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
411	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
412	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
413	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
414	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
415	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
416	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
417	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
418	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
419	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
420	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
421	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
422	PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
430	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
431	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
432	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
433	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
435	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
436	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
438	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
443	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
444	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
445	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
446	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
447	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
448	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
449	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
450	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
451	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
452	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
453	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
454	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
455	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
456	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
457	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
458	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
459	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
460	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
461	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
462	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
463	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
464	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
465	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
466	PowerPlex Fusion 6C PowerPlex Fusion	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
471	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
472	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
473	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
474	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
476	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
477	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
478	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
479	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
497	PowerPlex Fusion 6C	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
302	Not Tested	19387e																		
324	Not Tested	19387e																		
325	Not Tested	19387e																		
326	Not Tested	19387e																		
327	Not Tested	19387e																		
329	Not Tested	19387e																		
331	Not Tested	19387e																		
332	Not Tested	19387e																		
333	Not Tested	19387e																		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19387e	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
334	Not Tested	19387e																		
335	Not Tested	19387e																		
336	Not Tested	19387e																		
338	Not Tested	19387e																		
437	Not Tested	19387e																		
505	Not Tested	19387e																		
506	Not Tested	19387e																		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
301	GlobalFiler GlobalFiler Express PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
302	Identifiler	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
303	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
304	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
305	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
306	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
307	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
308	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
309	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
310	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
311	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
312	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
344	GlobalFiler	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
345	GlobalFiler	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
346	GlobalFiler	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
347	GlobalFiler	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
350	GlobalFiler	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
351	GlobalFiler	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
352	GlobalFiler	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	XY	11	23, 24		
353	GlobalFiler	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
354	GlobalFiler	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
355	GlobalFiler	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
356	GlobalFiler	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
357	GlobalFiler	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
358	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
359	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
360	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
361	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
362	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
363	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
364	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
365	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
366	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
371	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
372	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
373	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
383	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
384	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
385	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
387	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
388	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
389	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
390	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
391	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
392	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
394	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
395	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
396	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
397	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
398	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
399	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
400	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
401	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
402	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
403	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
404	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
405	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
406	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
407	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
408	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
409	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
410	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
411	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
412	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
413	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
414	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
415	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
416	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
417	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
418	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
419	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
420	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
421	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
422	PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
430	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
431	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
432	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
433	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
435	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
436	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
438	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
443	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
444	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
445	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
446	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
447	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
448	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
449	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
450	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
451	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
452	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
453	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
454	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
455	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
456	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
457	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
458	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
459	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
460	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
461	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
462	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
463	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
464	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
465	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
466	PowerPlex Fusion 6C PowerPlex Fusion	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
471	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
472	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
473	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
474	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
476	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
477	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
478	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
479	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
497	PowerPlex Fusion 6C	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
505	GlobalFiler	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
506	GlobalFiler	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
324	Not Tested	19387s																		
325	Not Tested	19387s																		
326	Not Tested	19387s																		
327	Not Tested	19387s																		
329	Not Tested	19387s																		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19387s	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
331	Not Tested	19387s																		
332	Not Tested	19387s																		
333	Not Tested	19387s																		
334	Not Tested	19387s																		
335	Not Tested	19387s																		
336	Not Tested	19387s																		
338	Not Tested	19387s																		
437	Not Tested	19387s																		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
301	GlobalFiler GlobalFiler Express PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
302	Identifiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
303	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
304	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
305	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
306	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
307	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
308	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
309	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
310	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
311	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
312	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
324	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
325	PowerPlex Fusion Minifiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
326	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
327	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
329	PowerPlex Fusion Minifiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
331	PowerPlex Fusion Minifiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
332	PowerPlex Fusion Minifiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
333	PowerPlex Fusion Minifiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
334	PowerPlex Fusion Minifiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
335	Identifiler Plus	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
336	Identifiler Plus Minifiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
338	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
342	PowerPlex Fusion Minifiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
344	GlobalFiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
345	GlobalFiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
346	GlobalFiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
347	GlobalFiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
348	GlobalFiler Express	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
349	GlobalFiler Express	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X, X	11	21		
350	GlobalFiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
351	GlobalFiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
352	GlobalFiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
353	GlobalFiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
354	GlobalFiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
355	GlobalFiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
356	GlobalFiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
357	GlobalFiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
358	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
359	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
360	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
361	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
362	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
363	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
364	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
365	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
366	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
367	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
368	GlobalFiler Express Minifiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
369	GlobalFiler Minifiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
370	GlobalFiler Express Minifiler Identifier Direct	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
371	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
372	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
373	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
376	GlobalFiler Express	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
377	GlobalFiler Express	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
378	GlobalFiler Express	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X, X	11	21		
379	GlobalFiler Express	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
380	GlobalFiler Express	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
381	GlobalFiler Express	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21		
383	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
384	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
385	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
387	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
388	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
389	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
390	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
391	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
392	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
394	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
395	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
396	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
397	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
398	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
399	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
400	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
401	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
402	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
403	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
404	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
405	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
406	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
407	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
408	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
409	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
410	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
411	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
412	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
413	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
414	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
415	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
416	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
417	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
418	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
419	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
420	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
421	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
422	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
428	Investigator 24plex	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
430	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
431	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
432	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
433	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
435	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
436	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
437	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
438	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
440	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
443	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
444	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
445	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
446	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
447	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
448	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
449	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
450	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
452	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
453	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
454	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
455	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
456	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
457	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
458	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
459	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
460	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
461	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
462	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
463	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
464	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
465	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
466	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
471	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
472	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
473	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
474	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
476	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
477	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
478	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
479	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
481	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
482	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X, X	11	21	8, 14	12, 14
483	PowerPlex Fusion	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X, X	11	21	8, 14	12, 14
484	GlobalFiler Express GlobalFiler Express GlobalFiler Express	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	x, x	11, 11	21, 21		
486	GlobalFiler PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
487	GlobalFiler PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
488	GlobalFiler PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
489	GlobalFiler PowerPlex Fusion 6C	19388	13, 16	29, (35), 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
490	GlobalFiler PowerPlex Fusion 6C	19388	13, 16	29, (35), 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
491	GlobalFiler PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
492	NGM SSelect	19388	13, 16	29, 36			14, 15	7, 9.3		10, 11	17, 25	13, 15	16, 16		15, 19	X, X		21, 21		
493	PowerPlex Fusion 6C	19388	13, 16	29, 36	(8), 8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
497	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
498	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
499	PowerPlex Fusion 6C	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12	10, 11	17, 25	13, 15	16	8	15, 19	X	11	21	8, 14	12, 14
505	GlobalFiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
506	GlobalFiler	19388	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
451	Not Tested	19388																		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
301	GlobalFiler GlobalFiler Express PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
302	Identifiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
303	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
304	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
305	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
306	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
307	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
308	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
309	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
310	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
311	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
312	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
324	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
325	PowerPlex Fusion Minifiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
326	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
327	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
329	PowerPlex Fusion Minifiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
331	PowerPlex Fusion Minifiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
332	PowerPlex Fusion Minifiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
333	PowerPlex Fusion Minifiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
334	PowerPlex Fusion Minifiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
335	Identifiler Plus	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
336	Identifiler Plus Minifiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
338	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
342	PowerPlex Fusion Minifiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
344	GlobalFiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
345	GlobalFiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
346	GlobalFiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
347	GlobalFiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
348	GlobalFiler Express	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
349	GlobalFiler Express	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
350	GlobalFiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
351	GlobalFiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
352	GlobalFiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	XY	11	23, 24		
353	GlobalFiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
354	GlobalFiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
355	GlobalFiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
356	GlobalFiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
357	GlobalFiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
358	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
359	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
360	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
361	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
362	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
363	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
364	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
365	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
366	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
367	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
368	GlobalFiler Express Minifiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
369	GlobalFiler Minifiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
370	GlobalFiler Express Minifiler Identifier Direct	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
371	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
372	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
373	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
376	GlobalFiler Express	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
377	GlobalFiler Express	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
378	GlobalFiler Express	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
379	GlobalFiler Express	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
380	GlobalFiler Express	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
381	GlobalFiler Express	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24		
383	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
384	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
385	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
387	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
388	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
389	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
390	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
391	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
392	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
394	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
395	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
396	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
397	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
398	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
399	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
400	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
401	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
402	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
403	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
404	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
405	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
406	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
407	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
408	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
409	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
410	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
411	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
412	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
413	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
414	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
415	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
416	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
417	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
418	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
419	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
420	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
421	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
422	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
428	Investigator 24plex	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
430	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
431	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
432	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
433	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
435	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
436	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
437	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
438	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
440	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
443	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
444	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
445	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
446	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
447	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
448	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
449	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
450	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
452	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
453	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
454	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
455	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
456	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
457	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
458	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
459	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
460	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
461	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
462	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
463	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
464	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
465	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
466	PowerPlex Fusion 6C PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
471	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
472	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
473	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
474	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
476	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
477	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
478	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
479	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
481	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
482	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
483	PowerPlex Fusion	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
484	GlobalFiler Express GlobalFiler Express GlobalFiler Express	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	x, y	11, 11	23, 24		
486	GlobalFiler PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
487	GlobalFiler PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
488	GlobalFiler PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
489	GlobalFiler PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
490	GlobalFiler PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
491	GlobalFiler PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
492	NGM SElect	19389	12, 13	29, 31.2			14, 15	6, 7		11, 12	17, 23	14.2, 15	15, 16		14, 19	X, Y		23, 24		
493	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
497	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
498	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
499	PowerPlex Fusion 6C	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11	23, 24	11, 13	10, 12
505	GlobalFiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
506	GlobalFiler	19389	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
451	Not Tested	19389																		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
301	GlobalFiler GlobalFiler Express PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
302	Identifiler	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
303	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
304	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
305	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
306	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
307	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
308	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
309	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, (18)	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
310	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
311	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
312	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
324	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
325	PowerPlex Fusion Minifiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
326	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
327	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
329	PowerPlex Fusion Minifiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
331	PowerPlex Fusion Minifiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
332	PowerPlex Fusion Minifiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
333	PowerPlex Fusion Minifiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
334	PowerPlex Fusion Minifiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
335	Identifiler Plus	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
336	Identifiler Plus Minifiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
338	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
342	PowerPlex Fusion Minifiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
344	GlobalFiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
345	GlobalFiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
346	GlobalFiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
347	GlobalFiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
348	GlobalFiler Express	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
349	GlobalFiler Express	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
350	GlobalFiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
351	GlobalFiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
352	GlobalFiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	XY	10, 11	23, 24		
353	GlobalFiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
354	GlobalFiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
355	GlobalFiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
356	GlobalFiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
357	GlobalFiler	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
358	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
359	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
360	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
361	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
362	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
363	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
364	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
365	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
366	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
367	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
368	GlobalFiler Express Minifiler	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
369	GlobalFiler Minifiler	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
370	GlobalFiler Express Minifiler Identifier Direct	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
371	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
372	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
373	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
376	GlobalFiler Express	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
377	GlobalFiler Express	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
378	GlobalFiler Express	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
379	GlobalFiler Express	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
380	GlobalFiler Express	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
381	GlobalFiler Express	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24		
383	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
384	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
385	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
387	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
388	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
389	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
390	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
391	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
392	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
394	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
395	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
396	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
397	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
398	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
399	PowerPlex Fusion	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
400	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
401	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
402	PowerPlex Fusion	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
403	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
404	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
405	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
406	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
407	PowerPlex Fusion	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
408	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
409	PowerPlex Fusion	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
410	PowerPlex Fusion	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
411	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
412	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
413	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
414	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
415	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
416	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
417	PowerPlex Fusion	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
418	PowerPlex Fusion	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
419	PowerPlex Fusion	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
420	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
421	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
422	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
428	Investigator 24plex	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
430	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
431	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
432	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
433	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
435	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
436	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
437	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
438	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
440	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
443	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
444	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
445	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
446	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
447	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
448	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
449	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
450	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
452	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
453	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
454	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
455	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
456	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
457	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
458	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
459	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
460	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
461	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
462	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
463	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
464	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
465	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
466	PowerPlex Fusion 6C PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
471	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
472	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
473	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
474	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
476	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
477	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
478	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
479	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
481	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
482	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
483	PowerPlex Fusion	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
484	GlobalFiler Express GlobalFiler Express GlobalFiler Express	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	x, y	10, 11	23, 24		
486	GlobalFiler PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
487	GlobalFiler PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
488	GlobalFiler PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
489	GlobalFiler PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
490	GlobalFiler PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
491	GlobalFiler PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
492	NGM SSelect	19390	13, 14	29, 30.2			15, 17	8, 9		10, 11	18, 23	15, 16	16, 18		13, 20	X, Y		23, 24		
493	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
497	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
498	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
499	PowerPlex Fusion 6C	19390	13, 14	29, 30.2	9	11, 12	15, 17	8, 9	12	10, 11	18, 23	15, 16	16, 18	8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
505	GlobalFiler	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 16	8, 8	13, 20	X, Y	10, 11	23, 24		
506	GlobalFiler	19390	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
451	Not Tested	19390																		

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19391	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
313	GlobalFiler PowerPlex Fusion 6C	19391	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
314	GlobalFiler	19391	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
315	GlobalFiler	19391	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
316	GlobalFiler	19391	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
317	GlobalFiler	19391	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
318	GlobalFiler	19391	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
319	GlobalFiler	19391	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
320	GlobalFiler	19391	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
321	GlobalFiler	19391	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
322	GlobalFiler	19391	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21		
500	PowerPlex Fusion 6C	19391	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
501	PowerPlex Fusion 6C	19391	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
502	PowerPlex Fusion 6C	19391	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
503	PowerPlex Fusion 6C	19391	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14
504	PowerPlex Fusion 6C	19391	13, 16	29, 36	8.1, 11	10, 11	14, 15	7, 9.3	12, 12	10, 11	17, 25	13, 15	16, 16	8, 8	15, 19	X, X	11, 11	21, 21	8, 14	12, 14

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19392	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
313	GlobalFiler PowerPlex Fusion 6C	19392	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
314	GlobalFiler	19392	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
315	GlobalFiler	19392	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
316	GlobalFiler	19392	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
317	GlobalFiler	19392	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
318	GlobalFiler	19392	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
319	GlobalFiler	19392	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
320	GlobalFiler	19392	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
321	GlobalFiler	19392	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
322	GlobalFiler	19392	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24		
500	PowerPlex Fusion 6C	19392	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
501	PowerPlex Fusion 6C	19392	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
502	PowerPlex Fusion 6C	19392	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
503	PowerPlex Fusion 6C	19392	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13
504	PowerPlex Fusion 6C	19392	13, 14	29, 30.2	9, 9	11, 12	15, 17	8, 9	12, 12	10, 11	18, 23	15, 16	16, 18	8, 8	13, 20	X, Y	10, 11	23, 24	9, 13	11, 13

STR Results:

Test Number	STR Kit or Status	Sample Number	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	AMEL	D5S818	FGA	Penta E	Penta D
Target	All STR Loci	19393	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
313	GlobalFiler PowerPlex Fusion 6C	19393	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
314	GlobalFiler	19393	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
315	GlobalFiler	19393	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
316	GlobalFiler	19393	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
317	GlobalFiler	19393	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
318	GlobalFiler	19393	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
319	GlobalFiler	19393	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
320	GlobalFiler	19393	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
321	GlobalFiler	19393	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
322	GlobalFiler	19393	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24		
500	PowerPlex Fusion 6C	19393	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
501	PowerPlex Fusion 6C	19393	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
502	PowerPlex Fusion 6C	19393	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
503	PowerPlex Fusion 6C	19393	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12
504	PowerPlex Fusion 6C	19393	12, 13	29, 31.2	8, 9	11, 13	14, 15	6, 7	9, 11	11, 12	17, 23	14.2, 15	15, 16	8, 11	14, 19	X, Y	11, 11	23, 24	11, 13	10, 12

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
301	GlobalFiler GlobalFiler Express PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		
303	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
304	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
305	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
306	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
307	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
308	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
309	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
310	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
311	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
312	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
324	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		NR			
325	PowerPlex Fusion Minifiler	19383	13, 16	12, 17	11, 14	16, 16.3	17		NR			
326	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		NR			
327	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		NR			
329	PowerPlex Fusion Minifiler	19383	13, 16	12, 17	11, 14	16, 16.3	17		NR			
331	PowerPlex Fusion Minifiler	19383	13, 16	12, 17	11, 14	16, 16.3	17		NR			
332	PowerPlex Fusion Minifiler	19383	13, 16	12, 17	11, 14	16, 16.3	17		NR			
333	PowerPlex Fusion Minifiler	19383	13, 16	12, 17	11, 14	16, 16.3	17		NR			
334	PowerPlex Fusion Minifiler	19383	13, 16	12, 17	11, 14	16, 16.3	17		NR			

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
338	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		NR			
342	PowerPlex Fusion Minifiler	19383	13, 16	12, 17	11, 14	16, 16.3	17		NR			
344	GlobalFiler	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
345	GlobalFiler	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
346	GlobalFiler	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
347	GlobalFiler	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
348	GlobalFiler Express	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
349	GlobalFiler Express	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
350	GlobalFiler	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
351	GlobalFiler	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
352	GlobalFiler	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
353	GlobalFiler	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
354	GlobalFiler	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
355	GlobalFiler	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
356	GlobalFiler	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
357	GlobalFiler	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
358	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
359	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
360	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
361	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
362	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
363	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
364	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
365	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
366	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
367	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
368	GlobalFiler Express Minifiler	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		
369	GlobalFiler Minifiler	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		
370	GlobalFiler Express Minifiler Identifier Direct	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		
371	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
372	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
373	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
376	GlobalFiler Express	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NA	NA		
377	GlobalFiler Express	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
378	GlobalFiler Express	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	N/A	N/A		
379	GlobalFiler Express	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	N/A	N/A		
380	GlobalFiler Express	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
381	GlobalFiler Express	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
383	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
384	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
385	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
387	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
388	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
389	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
390	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
391	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
392	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
394	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
395	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
396	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
397	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
398	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
399	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17		INC			
400	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
401	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
402	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17		INC			
403	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
404	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
405	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
406	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
407	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17		INC			
408	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
409	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17		INC			
410	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17		INC			
411	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
412	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
413	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
414	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
415	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
416	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
417	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
418	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17		INC			
419	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17		INC			
420	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
421	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
422	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		INC			
428	Investigator 24plex	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	N/A			
430	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
431	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
432	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
433	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
435	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
436	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
438	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
443	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
444	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
445	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	No results		No results	No results
446	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
447	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
448	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
449	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	No Results		No Results	No Results
450	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	N/A		N/A	N/A
451	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
452	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
453	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
454	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NA		NA	NA
455	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
456	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
457	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
458	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
459	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
460	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
461	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
462	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	No Data		No Data	No Data
463	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
464	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
465	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
466	PowerPlex Fusion 6C PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
471	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
472	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	-		-	-
473	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	N/A		N/A	N/A
474	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	-		-	-
476	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	N/A		N/A	N/A
477	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	N/A		N/A	N/A
478	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
479	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
481	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	n/a		n/a	n/a
482	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		NR			
483	PowerPlex Fusion	19383	13, 16	12, 17	11, 14	16, 16.3	17		NR			
486	GlobalFiler PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	N.D.	N.D.		

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
487	GlobalFiler PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	N.D.	N.D.		
488	GlobalFiler PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	N.D.	N.D.		
489	GlobalFiler PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	N.D.	N.D.		
490	GlobalFiler PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	Not detected	Not detected		
491	GlobalFiler PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	Not detected	Not detected		
492	NGM SElect	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21				
493	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
497	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
498	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
499	PowerPlex Fusion 6C	19383	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	-		-	-
505	GlobalFiler	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		
506	GlobalFiler	19383	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19385e	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
301	GlobalFiler GlobalFiler Express PowerPlex Fusion 6C	19385e	13, (14), 16	12, (16), 17	(10), 11, 14	(12), 16, 16.3	17, 17	16, 21, (28.2)	10	2		
303	PowerPlex Fusion 6C	19385e	13, 16	12, 17	(10), 11, 14	(12), 16, 16.3	(15), 17	16, 21, (28.2)	No Results		18	No Results
304	PowerPlex Fusion 6C	19385e	13, (14), 16	12, 17	11, 14	16, 16.3, (17)	(15), 17, (18)	16, (18), 21	10		No Results	No Results
305	PowerPlex Fusion 6C	19385e	13, (14), 16	12, 17	(10), 11, 14	16, 16.3, (17)	(15), 17, (18)	16, (18), 21	No Results		No Results	17
306	PowerPlex Fusion 6C	19385e	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, (18), 21	No Results		No Results	No Results
307	PowerPlex Fusion 6C	19385e	13, 16	12, (17)	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
308	PowerPlex Fusion 6C	19385e	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, (18), 21	No Results		No Results	No Results
309	PowerPlex Fusion 6C	19385e	13, 16	12, 17	11, 14	16, 16.3	(15), 17	16, 21	No Results		No Results	No Results
310	PowerPlex Fusion 6C	19385e	13, 16	12, 17	11, 14	(12), 16, 16.3	(15), 17, (18)	16, 21, (28.2)	10		18	No Results
311	PowerPlex Fusion 6C	19385e	13, 16	12, 17	11, 14	(12), 16, 16.3, (17)	(15), 17	16, 21	10		No Results	17
312	PowerPlex Fusion 6C	19385e	13, (14), 16	12, 17	(10), 11, 14	(12), 16, 16.3, (17)	(15), 17, (18)	16, 21	No Results		18	17
428	Investigator 24plex	19385e	13, (14), 16	12, 17	(10), 11, 14	(12), 16, 16.3	(15), 17, (18)	16, (18), 21, (28.2)	(10)			
482	PowerPlex Fusion	19385e	13, 16	12, 17	11, 14	16, 16.3	17		NR			
483	PowerPlex Fusion	19385e	13, 16	12, 17	11, 14	16, 16.3	17		NR			
486	GlobalFiler PowerPlex Fusion 6C	19385e	13, (14), 16	12, (16), 17	(10), 11, 14	(12), 16, 16.3	17, 17	16, 21	N.D.	2		
487	GlobalFiler PowerPlex Fusion 6C	19385e	13, (14), 16	12, (16), 17	(10), 11, 14	16, 16.3	17, 17	16, 21	N.D.	2		
488	GlobalFiler PowerPlex Fusion 6C	19385e	13, (14), 16	12, 17	(10), 11, 14	16, 16.3	(15), 17, 17	16, (18), 21	N.D.	2		
489	GlobalFiler PowerPlex Fusion 6C	19385e	13, (14), 16	12, (16), 17	(10), 11, 14	(12), 16, 16.3	(15), 17, 17	16, 21	N.D.	N.D.		
490	GlobalFiler PowerPlex Fusion 6C	19385e	13, (14), 16	12, (16), 17	(10), 11, 14	(12), 16, 16.3	(15), 17, 17	16, 21	10	2		
491	GlobalFiler PowerPlex Fusion 6C	19385e	13, (14), 16	12, 17	(10), 11, 14	(12), 16, 16.3	(15), 17, 17	16, (18), 21, (28.2)	Not detected	2		

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19385e	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
492	NGM SElect	19385e	13, (14), 16	12, (16), 17	(10), 11, 14	(12), 16, 16.3	(15), 17, (18)	16, (18), 21				
493	PowerPlex Fusion 6C	19385e	13, (14), 16	12, (16), 17, (18)	(10), 11, 14	(12), 16, 16.3, (17)	(15), 17, (18)	16, (18), 21, (28.2)	10		18	17
498	PowerPlex Fusion 6C	19385e	13, (14), 16	12, 17	(10), 11, 14	(12), 16, 16.3	(15), 17, (18)	16, (18), 21, (28.2)	(10)		NR	NR
499	PowerPlex Fusion 6C	19385e	13, (14), 16	12, (16), 17	(10), 11, 14	(12), 16, 16.3, (17)	(15), 17	16, (18), 21, (28.2)	10		18	-

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
301	GlobalFiler GlobalFiler Express PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
303	PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
304	PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
305	PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, (28.2)	10		18	17
306	PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
307	PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
308	PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
309	PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
310	PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
311	PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
312	PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
428	Investigator 24plex	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10			
482	PowerPlex Fusion	19385s	13, 14	12, 16	10, 14	12, 17	15, 18		10			
483	PowerPlex Fusion	19385s	13, 14	12, 16	10, 14	12, 17	15, 18		10			
486	GlobalFiler PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
487	GlobalFiler PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
488	GlobalFiler PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
489	GlobalFiler PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, (16), 17	15, 18	18, 28.2	10	2		
490	GlobalFiler PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
491	GlobalFiler PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
492	NGM SElect	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2				
493	PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
498	PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
499	PowerPlex Fusion 6C	19385s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
301	GlobalFiler GlobalFiler Express PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
303	PowerPlex Fusion 6C	19387e	13, 14	12, (16)	10, 14	12, 17	15, 18	18, 28.2	10		18	17
304	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
305	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
306	PowerPlex Fusion 6C	19387e	13, 14	12, (16)	10, 14	12, 17	15, 18	18, 28.2	10		18	17
307	PowerPlex Fusion 6C	19387e	13, 14	(12), 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
308	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
309	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
310	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
311	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
312	PowerPlex Fusion 6C	19387e	13, 14	12, (16)	10, 14	12, 17	15, 18	18, 28.2	10		18	17
344	GlobalFiler	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
345	GlobalFiler	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
346	GlobalFiler	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
347	GlobalFiler	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
350	GlobalFiler	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
351	GlobalFiler	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
352	GlobalFiler	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
353	GlobalFiler	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
354	GlobalFiler	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
355	GlobalFiler	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
356	GlobalFiler	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
357	GlobalFiler	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
358	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
359	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
360	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
361	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
362	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
363	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
364	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
365	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
366	PowerPlex Fusion 6C	19387e	13, 14	12, (16)	10, 14	12, 17	15, 18	18, 28.2	10		18	17
371	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
372	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
373	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
383	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
384	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
385	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
387	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
388	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
389	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
390	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
391	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
392	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
394	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
395	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
396	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
397	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
398	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
399	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
400	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
401	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
402	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
403	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
404	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
405	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
406	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
407	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
408	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
409	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
410	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
411	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
412	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
413	PowerPlex Fusion	19387e	13, 14	12, 15	10, 14	12, 17	15, 18		INC			
414	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
415	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
416	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
417	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
418	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
419	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
420	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
421	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
422	PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
430	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
431	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
432	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
433	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
435	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
436	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
438	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
443	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
444	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
445	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
446	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
447	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
448	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
449	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
450	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
451	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
452	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
453	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
454	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
455	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
456	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
457	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
458	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
459	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
460	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
461	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
462	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
463	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
464	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
465	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
466	PowerPlex Fusion 6C PowerPlex Fusion	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
471	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
472	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
473	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
474	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
476	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
477	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
478	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
479	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
497	PowerPlex Fusion 6C	19387e	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
301	GlobalFiler GlobalFiler Express PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
303	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, (28.2)	10		18	17
304	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
305	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, (28.2)	10		18	17
306	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, (28.2)	10		18	17
307	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
308	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
309	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
310	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
311	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
312	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
344	GlobalFiler	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
345	GlobalFiler	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
346	GlobalFiler	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
347	GlobalFiler	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
350	GlobalFiler	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
351	GlobalFiler	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
352	GlobalFiler	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
353	GlobalFiler	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
354	GlobalFiler	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
355	GlobalFiler	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
356	GlobalFiler	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
357	GlobalFiler	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
358	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
359	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
360	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
361	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
362	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
363	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
364	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
365	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
366	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
371	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
372	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
373	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
383	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
384	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
385	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
387	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
388	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
389	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
390	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
391	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
392	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
394	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
395	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
396	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
397	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
398	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
399	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
400	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
401	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
402	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
403	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
404	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
405	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
406	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
407	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
408	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
409	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
410	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
411	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
412	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
413	PowerPlex Fusion	19387s	13, 14	12, 15	10, 14	12, 17	15, 18		INC			
414	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
415	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
416	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
417	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
418	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
419	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
420	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
421	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
422	PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
430	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
431	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
432	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
433	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
435	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
436	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
438	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
443	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
444	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
445	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
446	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
447	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
448	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
449	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
450	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
451	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
452	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
453	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
454	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
455	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
456	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
457	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
458	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
459	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
460	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
461	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
462	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
463	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
464	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
465	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
466	PowerPlex Fusion 6C PowerPlex Fusion	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
471	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
472	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
473	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
474	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
476	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
477	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
478	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
479	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
497	PowerPlex Fusion 6C	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
505	GlobalFiler	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
506	GlobalFiler	19387s	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
301	GlobalFiler GlobalFiler Express PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
303	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
304	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
305	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
306	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
307	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
308	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
309	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
310	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
311	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
312	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
324	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		NR			
325	PowerPlex Fusion Minifiler	19388	13, 16	12, 17	11, 14	16, 16.3	17		NR			
326	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		NR			
327	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		NR			
329	PowerPlex Fusion Minifiler	19388	13, 16	12, 17	11, 14	16, 16.3	17		NR			
331	PowerPlex Fusion Minifiler	19388	13, 16	12, 17	11, 14	16, 16.3	17		NR			
332	PowerPlex Fusion Minifiler	19388	13, 16	12, 17	11, 14	16, 16.3	17		NR			
333	PowerPlex Fusion Minifiler	19388	13, 16	12, 17	11, 14	16, 16.3	17		NR			
334	PowerPlex Fusion Minifiler	19388	13, 16	12, 17	11, 14	16, 16.3	17		NR			

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
338	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		NR			
342	PowerPlex Fusion Minifiler	19388	13, 16	12, 17	11, 14	16, 16.3	17		NR			
344	GlobalFiler	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
345	GlobalFiler	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
346	GlobalFiler	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
347	GlobalFiler	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
348	GlobalFiler Express	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
349	GlobalFiler Express	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
350	GlobalFiler	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
351	GlobalFiler	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
352	GlobalFiler	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
353	GlobalFiler	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
354	GlobalFiler	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
355	GlobalFiler	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
356	GlobalFiler	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
357	GlobalFiler	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
358	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
359	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
360	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
361	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
362	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
363	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
364	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
365	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
366	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
367	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
368	GlobalFiler Express Minifiler	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		
369	GlobalFiler Minifiler	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		
370	GlobalFiler Express Minifiler Identifier Direct	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		
371	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
372	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
373	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
376	GlobalFiler Express	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NA	NA		
377	GlobalFiler Express	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
378	GlobalFiler Express	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	N/A	N/A		
379	GlobalFiler Express	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	N/A	N/A		
380	GlobalFiler Express	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
381	GlobalFiler Express	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR	NR		
383	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
384	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
385	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
387	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
388	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
389	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
390	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
391	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
392	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
394	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
395	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
396	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
397	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
398	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
399	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17		INC			
400	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
401	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
402	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17		INC			
403	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
404	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
405	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
406	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
407	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17		INC			
408	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
409	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17		INC			
410	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17		INC			
411	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
412	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
413	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
414	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
415	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
416	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
417	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
418	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17		INC			
419	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17		INC			
420	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
421	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
422	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		INC			
428	Investigator 24plex	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	N/A			
430	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
431	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
432	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
433	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
435	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
436	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
437	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
438	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
440	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
443	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	N/A	NR		N/A	N/A
444	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	N/A	NR		N/A	N/A
445	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	n/a	No results		n/a	n/a
446	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	NA	NR		NA	NA

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
447	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	N/A	NR		N/A	N/A
448	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
449	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	Not Tested	No Results		Not Tested	Not Tested
450	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	N/A	N/A		N/A	N/A
452	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	NA	NR		NA	NA
453	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	N/A	NR		N/A	N/A
454	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	NA	NA		NA	NA
455	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	N/A	NR		N/A	N/A
456	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	NA	NR		NA	NA
457	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	N/A	NR		N/A	N/A
458	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	NA	NR		NA	NA
459	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	NA	NR		NA	NA
460	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	N/A	NR		N/A	N/A

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
461	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	n/a	NR		n/a	n/a
462	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	N/A	No Data		N/A	N/A
463	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	NA	NR		NA	NA
464	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	N/A	NR		N/A	N/A
465	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	N/A	NR		N/A	N/A
466	PowerPlex Fusion 6C PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17	N/A	NR		N/A	N/A
471	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
472	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	-		-	-
473	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	N/A		N/A	N/A
474	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	-		-	-
476	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	N/A		N/A	N/A
477	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	N/A		N/A	N/A
478	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
479	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
481	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	n/a		n/a	n/a
482	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		NR			
483	PowerPlex Fusion	19388	13, 16	12, 17	11, 14	16, 16.3	17		NR			

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
484	GlobalFiler Express GlobalFiler Express GlobalFiler Express	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	N/A	N/A		
486	GlobalFiler PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	N.D.	N.D.		
487	GlobalFiler PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	N.D.	N.D.		
488	GlobalFiler PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	N.D.	N.D.		
489	GlobalFiler PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	N.D.	N.D.		
490	GlobalFiler PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	Not detected	Not detected		
491	GlobalFiler PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	Not detected	Not detected		
492	NGM SElect	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21				
493	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
497	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
498	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	NR		NR	NR
499	PowerPlex Fusion 6C	19388	13, 16	12, 17	11, 14	16, 16.3	17	16, 21	-		-	-
505	GlobalFiler	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		
506	GlobalFiler	19388	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
301	GlobalFiler GlobalFiler Express PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
303	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
304	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
305	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
306	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
307	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
308	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
309	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
310	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, (28.2)	10		18	17
311	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
312	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
324	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		10			
325	PowerPlex Fusion Minifiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18		10			
326	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		10			
327	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		10			
329	PowerPlex Fusion Minifiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18		10			
331	PowerPlex Fusion Minifiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18		10			
332	PowerPlex Fusion Minifiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18		10			
333	PowerPlex Fusion Minifiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18		10			
334	PowerPlex Fusion Minifiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18		10			

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
338	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		10			
342	PowerPlex Fusion Minifiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18		10			
344	GlobalFiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
345	GlobalFiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
346	GlobalFiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
347	GlobalFiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
348	GlobalFiler Express	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
349	GlobalFiler Express	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
350	GlobalFiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
351	GlobalFiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
352	GlobalFiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
353	GlobalFiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
354	GlobalFiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
355	GlobalFiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
356	GlobalFiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
357	GlobalFiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
358	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
359	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
360	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
361	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
362	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
363	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
364	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
365	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
366	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
367	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
368	GlobalFiler Express Minifiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
369	GlobalFiler Minifiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
370	GlobalFiler Express Minifiler Identifier Direct	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
371	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
372	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
373	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
376	GlobalFiler Express	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
377	GlobalFiler Express	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
378	GlobalFiler Express	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
379	GlobalFiler Express	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
380	GlobalFiler Express	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
381	GlobalFiler Express	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
383	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
384	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
385	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
387	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
388	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
389	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
390	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
391	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
392	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
394	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
395	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
396	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
397	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
398	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
399	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
400	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
401	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
402	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
403	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
404	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
405	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
406	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
407	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
408	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
409	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
410	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
411	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
412	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
413	PowerPlex Fusion	19389	13, 14	12, 15	10, 14	12, 17	15, 18		INC			
414	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
415	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
416	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
417	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
418	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
419	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
420	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
421	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
422	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		INC			
428	Investigator 24plex	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10			
430	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
431	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
432	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
433	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
435	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
436	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
437	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
438	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
440	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
443	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	N/A	10		N/A	N/A
444	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	N/A	10		N/A	N/A
445	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	n/a	10		n/a	n/a
446	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	NA	10		NA	NA

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
447	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	N/A	10		N/A	N/A
448	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
449	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	Not Tested	10		Not Tested	Not Tested
450	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	N/A	10		N/A	N/A
452	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	NA	10		NA	NA
453	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	N/A	10		N/A	N/A
454	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	NA	10		NA	NA
455	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	N/A	10		N/A	N/A
456	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	NA	10		NA	NA
457	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	N/A	10		N/A	N/A
458	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	NA	10		NA	NA
459	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	NA	10		NA	NA
460	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	N/A	10		N/A	N/A

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
461	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	n/a	10		n/a	n/a
462	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	N/A	10		N/A	N/A
463	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	NA	10		NA	NA
464	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	N/A	10		N/A	N/A
465	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	N/A	10		N/A	N/A
466	PowerPlex Fusion 6C PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18	N/A	10		N/A	N/A
471	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
472	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
473	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
474	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
476	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
477	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
478	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
479	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
481	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
482	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		10			
483	PowerPlex Fusion	19389	13, 14	12, 16	10, 14	12, 17	15, 18		10			

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
484	GlobalFiler Express	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
486	GlobalFiler PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
487	GlobalFiler PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
488	GlobalFiler PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
489	GlobalFiler PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
490	GlobalFiler PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
491	GlobalFiler PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
492	NGM SElect	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2				
493	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
497	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
498	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
499	PowerPlex Fusion 6C	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
505	GlobalFiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
506	GlobalFiler	19389	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2	17	18
301	GlobalFiler GlobalFiler Express PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2	17	18
303	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
304	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
305	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
306	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
307	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
308	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
309	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
310	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
311	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
312	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
324	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		11			
325	PowerPlex Fusion Minifiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		11			
326	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		11			
327	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		11			
329	PowerPlex Fusion Minifiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		11			
331	PowerPlex Fusion Minifiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		11			
332	PowerPlex Fusion Minifiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		11			
333	PowerPlex Fusion Minifiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		11			
334	PowerPlex Fusion Minifiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		11			

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2	17	18
338	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		11			
342	PowerPlex Fusion Minifiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		11			
344	GlobalFiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
345	GlobalFiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
346	GlobalFiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
347	GlobalFiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
348	GlobalFiler Express	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
349	GlobalFiler Express	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
350	GlobalFiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
351	GlobalFiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
352	GlobalFiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
353	GlobalFiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
354	GlobalFiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
355	GlobalFiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
356	GlobalFiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
357	GlobalFiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
358	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
359	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
360	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
361	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
362	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
363	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
364	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
365	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2	17	18
366	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
367	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
368	GlobalFiler Express Minifiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
369	GlobalFiler Minifiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
370	GlobalFiler Express Minifiler Identifier Direct	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
371	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
372	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
373	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
376	GlobalFiler Express	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
377	GlobalFiler Express	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
378	GlobalFiler Express	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
379	GlobalFiler Express	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
380	GlobalFiler Express	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
381	GlobalFiler Express	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
383	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
384	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
385	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
387	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
388	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
389	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
390	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
391	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2	17	18
392	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
394	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
395	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
396	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
397	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
398	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
399	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
400	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
401	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
402	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
403	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
404	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
405	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
406	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
407	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
408	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
409	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
410	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
411	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
412	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
413	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
414	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
415	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
416	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2	17	18
417	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
418	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
419	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
420	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
421	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
422	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		INC			
428	Investigator 24plex	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11			
430	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
431	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
432	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
433	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
435	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
436	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
437	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
438	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
440	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
443	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	N/A	11		N/A	N/A
444	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	N/A	11		N/A	N/A
445	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	n/a	11		n/a	n/a
446	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	NA	11		NA	NA

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2	17	18
447	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	N/A	11		N/A	N/A
448	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
449	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	Not Tested	11		Not Tested	Not Tested
450	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	N/A	11		N/A	N/A
452	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	NA	11		NA	NA
453	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	N/A	11		N/A	N/A
454	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	NA	11		NA	NA
455	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	N/A	11		N/A	N/A
456	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	NA	11		NA	NA
457	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	N/A	11		N/A	N/A
458	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	NA	11		NA	NA
459	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	NA	11		NA	NA
460	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	N/A	11		N/A	N/A

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2	17	18
461	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	n/a	11		n/a	n/a
462	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	N/A	11		N/A	N/A
463	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	NA	11		NA	NA
464	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	N/A	11		N/A	N/A
465	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	N/A	11		N/A	N/A
466	PowerPlex Fusion 6C PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	N/A	11		N/A	N/A
471	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
472	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
473	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
474	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
476	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
477	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
478	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
479	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
481	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
482	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		11			
483	PowerPlex Fusion	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23		11			

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2	17	18
484	GlobalFiler Express	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
486	GlobalFiler PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
487	GlobalFiler PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
488	GlobalFiler PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
489	GlobalFiler PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
490	GlobalFiler PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
491	GlobalFiler PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
492	NGM SElect	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2				
493	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
497	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
498	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
499	PowerPlex Fusion 6C	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
505	GlobalFiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
506	GlobalFiler	19390	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19391	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
313	GlobalFiler PowerPlex Fusion 6C	19391	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR	NR	NR
314	GlobalFiler	19391	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		
315	GlobalFiler	19391	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		
316	GlobalFiler	19391	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		
317	GlobalFiler	19391	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		
318	GlobalFiler	19391	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		
319	GlobalFiler	19391	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		
320	GlobalFiler	19391	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		
321	GlobalFiler	19391	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		
322	GlobalFiler	19391	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR	NR		
500	PowerPlex Fusion 6C	19391	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
501	PowerPlex Fusion 6C	19391	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	No Results		No Results	No Results
502	PowerPlex Fusion 6C	19391	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
503	PowerPlex Fusion 6C	19391	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR
504	PowerPlex Fusion 6C	19391	13, 16	12, 17	11, 14	16, 16.3	17, 17	16, 21	NR		NR	NR

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19392	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2	17	18
313	GlobalFiler PowerPlex Fusion 6C	19392	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2	17	18
314	GlobalFiler	19392	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
315	GlobalFiler	19392	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
316	GlobalFiler	19392	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
317	GlobalFiler	19392	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
318	GlobalFiler	19392	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
319	GlobalFiler	19392	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
320	GlobalFiler	19392	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
321	GlobalFiler	19392	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
322	GlobalFiler	19392	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11	2		
500	PowerPlex Fusion 6C	19392	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
501	PowerPlex Fusion 6C	19392	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
502	PowerPlex Fusion 6C	19392	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
503	PowerPlex Fusion 6C	19392	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18
504	PowerPlex Fusion 6C	19392	14, 16	14, 15	10, 14	13, 15.3	18, 23	19, 27.2	11		17	18

Additional STR Results:

Test Number	STR Kit	Sample Number	D10S1248	D22S1045	D2S441	D1S1656	D12S391	SE33	DYS391	Y indel	DYS576	DYS570
Target	All STR Loci	19393	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
313	GlobalFiler PowerPlex Fusion 6C	19393	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2	18	17
314	GlobalFiler	19393	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
315	GlobalFiler	19393	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
316	GlobalFiler	19393	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
317	GlobalFiler	19393	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
318	GlobalFiler	19393	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
319	GlobalFiler	19393	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
320	GlobalFiler	19393	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
321	GlobalFiler	19393	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
322	GlobalFiler	19393	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10	2		
500	PowerPlex Fusion 6C	19393	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
501	PowerPlex Fusion 6C	19393	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
502	PowerPlex Fusion 6C	19393	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
503	PowerPlex Fusion 6C	19393	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17
504	PowerPlex Fusion 6C	19393	13, 14	12, 16	10, 14	12, 17	15, 18	18, 28.2	10		18	17

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19383	Female Sample															
379	Yfiler Plus	19383	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
301	Not Tested	19383																
302	Not Tested	19383																
303	No Results	19383																
324	Not Tested	19383																
325	No Results	19383																
326	Not Tested	19383																
327	Not Tested	19383																
329	Not Tested	19383																
331	No Results	19383																
332	No Results	19383																
333	Not Tested	19383																
334	No Results	19383																
335	Not Tested	19383																
336	Not Tested	19383																
337	Not Tested	19383																
338	Not Tested	19383																
342	No Results	19383																
344	Not Tested	19383																
345	Not Tested	19383																
346	Not Tested	19383																
347	Not Tested	19383																
358	No Results	19383																
359	No Results	19383																
360	No Results	19383																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19383	Female Sample															
361	No Results	19383																
362	No Results	19383																
363	No Results	19383																
364	No Results	19383																
365	No Results	19383																
366	No Results	19383																
367	No Results	19383																
370	Not Tested	19383																
371	No Results	19383																
372	No Results	19383																
373	No Results	19383																
376	No Results	19383																
377	No Results	19383																
378	No Results	19383																
380	No Results	19383																
381	No Results	19383																
383	Not Tested	19383																
384	Not Tested	19383																
385	Not Tested	19383																
387	Not Tested	19383																
388	Not Tested	19383																
389	Not Tested	19383																
390	Not Tested	19383																
391	Not Tested	19383																
392	Not Tested	19383																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19383	Female Sample															
394	Not Tested	19383																
395	Not Tested	19383																
396	Not Tested	19383																
397	Not Tested	19383																
398	Not Tested	19383																
399	Not Tested	19383																
400	Not Tested	19383																
401	Not Tested	19383																
402	Not Tested	19383																
403	Not Tested	19383																
404	Not Tested	19383																
405	Not Tested	19383																
406	Not Tested	19383																
407	Not Tested	19383																
408	Not Tested	19383																
409	Not Tested	19383																
410	Not Tested	19383																
411	Not Tested	19383																
412	Not Tested	19383																
413	Not Tested	19383																
414	Not Tested	19383																
415	Not Tested	19383																
416	Not Tested	19383																
417	Not Tested	19383																
418	Not Tested	19383																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19383	Female Sample															
419	Not Tested	19383																
420	Not Tested	19383																
421	Not Tested	19383																
422	Not Tested	19383																
428	Not Tested	19383																
430	Not Tested	19383																
431	Not Tested	19383																
432	Not Tested	19383																
433	Not Tested	19383																
435	Not Tested	19383																
436	Not Tested	19383																
437	Not Tested	19383																
438	Not Tested	19383																
440	Not Tested	19383																
443	Not Tested	19383																
444	Not Tested	19383																
445	Not Tested	19383																
446	Not Tested	19383																
447	Not Tested	19383																
448	Not Tested	19383																
449	Not Tested	19383																
450	Not Tested	19383																
451	Not Tested	19383																
452	Not Tested	19383																
453	Not Tested	19383																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19383	Female Sample															
454	Not Tested	19383																
455	Not Tested	19383																
456	Not Tested	19383																
457	Not Tested	19383																
458	Not Tested	19383																
459	Not Tested	19383																
460	Not Tested	19383																
461	Not Tested	19383																
462	Not Tested	19383																
463	Not Tested	19383																
464	Not Tested	19383																
465	Not Tested	19383																
466	Not Tested	19383																
471	No Results	19383																
472	No Results	19383																
473	No Results	19383																
474	Not Tested	19383																
476	Not Tested	19383																
477	Not Tested	19383																
478	Not Tested	19383																
479	No Results	19383																
482	No Results	19383																
483	No Results	19383																
486	Not Tested	19383																
487	Not Tested	19383																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19383	Female Sample															
488	Not Tested	19383																
489	Not Tested	19383																
490	Not Tested	19383																
491	Not Tested	19383																
492	Not Tested	19383																
493	Not Tested	19383																
505	Not Tested	19383																
506	Not Tested	19383																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19384	Faux Sample															
301	Not Tested	19384																
302	Not Tested	19384																
303	No Results	19384																
344	Not Tested	19384																
345	Not Tested	19384																
346	Not Tested	19384																
347	Not Tested	19384																
443	Not Tested	19384																
444	Not Tested	19384																
445	Not Tested	19384																
446	Not Tested	19384																
447	Not Tested	19384																
448	Not Tested	19384																
449	Not Tested	19384																
450	Not Tested	19384																
451	Not Tested	19384																
452	Not Tested	19384																
453	Not Tested	19384																
454	Not Tested	19384																
455	Not Tested	19384																
456	Not Tested	19384																
457	Not Tested	19384																
458	Not Tested	19384																
459	Not Tested	19384																
460	Not Tested	19384																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19384	Faux Sample															
461	Not Tested	19384																
462	Not Tested	19384																
463	Not Tested	19384																
464	Not Tested	19384																
465	Not Tested	19384																
466	Not Tested	19384																
471	Not Tested	19384																
472	Not Tested	19384																
473	Not Tested	19384																
474	Not Tested	19384																
476	Not Tested	19384																
477	Not Tested	19384																
478	Not Tested	19384																
479	Not Tested	19384																
482	Not Tested	19384																
483	Not Tested	19384																
493	Not Tested	19384																
505	Not Tested	19384																
506	Not Tested	19384																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19385e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
302	Yfiler	19385e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
303	PowerPlex Y23	19385e	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
428	Yfiler	19385e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
301	Not Tested	19385e																
482	Not Tested	19385e																
483	Not Tested	19385e																
486	Not Tested	19385e																
487	Not Tested	19385e																
488	Not Tested	19385e																
489	Not Tested	19385e																
490	Not Tested	19385e																
491	Not Tested	19385e																
492	Not Tested	19385e																
493	Not Tested	19385e																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19385s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
301	PowerPlex Y23	19385s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
302	Yfiler	19385s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
303	PowerPlex Y23	19385s	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
428	Yfiler	19385s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
482	PowerPlex Y23	19385s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
483	PowerPlex Y23	19385s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
486	PowerPlex Y23	19385s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
487	PowerPlex Y23	19385s	17	13	25	28	17	14	11,13	13	10	(11),12	23	14	12	15	12	18
488	PowerPlex Y23	19385s	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
489	PowerPlex Y23	19385s	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
490	PowerPlex Y23	19385s	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
491	PowerPlex Y23	19385s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
492	PowerPlex Y23	19385s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
493	PowerPlex Y23	19385s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19386e	Faux Sample															
301	Not Tested	19386e																
302	Not Tested	19386e																
303	No Results	19386e																
344	Not Tested	19386e																
345	Not Tested	19386e																
346	Not Tested	19386e																
347	Not Tested	19386e																
443	Not Tested	19386e																
444	Not Tested	19386e																
445	Not Tested	19386e																
446	Not Tested	19386e																
447	Not Tested	19386e																
448	Not Tested	19386e																
449	Not Tested	19386e																
450	Not Tested	19386e																
451	Not Tested	19386e																
452	Not Tested	19386e																
453	Not Tested	19386e																
454	Not Tested	19386e																
455	Not Tested	19386e																
456	Not Tested	19386e																
457	Not Tested	19386e																
458	Not Tested	19386e																
459	Not Tested	19386e																
460	Not Tested	19386e																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19386e	Faux Sample															
461	Not Tested	19386e																
462	Not Tested	19386e																
463	Not Tested	19386e																
464	Not Tested	19386e																
465	Not Tested	19386e																
466	Not Tested	19386e																
471	Not Tested	19386e																
472	Not Tested	19386e																
473	No Results	19386e																
474	Not Tested	19386e																
476	Not Tested	19386e																
477	No Results	19386e																
478	Not Tested	19386e																
479	Not Tested	19386e																
482	Not Tested	19386e																
483	Not Tested	19386e																
493	Not Tested	19386e																
505	Not Tested	19386e																
506	Not Tested	19386e																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19386s	Faux Sample															
301	Not Tested	19386s																
302	Not Tested	19386s																
303	No Results	19386s																
344	Not Tested	19386s																
345	Not Tested	19386s																
346	Not Tested	19386s																
347	Not Tested	19386s																
443	Not Tested	19386s																
444	Not Tested	19386s																
445	Not Tested	19386s																
446	Not Tested	19386s																
447	Not Tested	19386s																
448	Not Tested	19386s																
449	Not Tested	19386s																
450	Not Tested	19386s																
451	Not Tested	19386s																
452	Not Tested	19386s																
453	Not Tested	19386s																
454	Not Tested	19386s																
455	Not Tested	19386s																
456	Not Tested	19386s																
457	Not Tested	19386s																
458	Not Tested	19386s																
459	Not Tested	19386s																
460	Not Tested	19386s																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19386s	Faux Sample															
461	Not Tested	19386s																
462	Not Tested	19386s																
463	Not Tested	19386s																
464	Not Tested	19386s																
465	Not Tested	19386s																
466	Not Tested	19386s																
471	Not Tested	19386s																
472	Not Tested	19386s																
473	No Results	19386s																
474	Not Tested	19386s																
476	Not Tested	19386s																
477	Not Tested	19386s																
478	Not Tested	19386s																
479	Not Tested	19386s																
482	Not Tested	19386s																
483	Not Tested	19386s																
493	Not Tested	19386s																
505	Not Tested	19386s																
506	Not Tested	19386s																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
303	PowerPlex Y23	19387e	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
358	PowerPlex Y23	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
359	PowerPlex Y23	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
360	PowerPlex Y23	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
361	PowerPlex Y23	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
362	PowerPlex Y23	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
363	PowerPlex Y23	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
364	PowerPlex Y23	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
365	PowerPlex Y23	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
366	PowerPlex Y23	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
371	PowerPlex Y23	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
372	PowerPlex Y23	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
373	PowerPlex Y23	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
390	Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
392	Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
396	Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
399	Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
400	Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
401	Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
402	Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
404	Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
407	Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
409	Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
417	Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
418	Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
419	Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
420	Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
443	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
444	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
445	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
446	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
447	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
448	Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
449	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
450	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
452	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
453	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
454	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
455	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
456	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
457	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
458	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
459	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
460	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
461	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
462	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
463	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
464	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
465	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
466	PowerPlex Y23 Yfiler	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
471	Yfiler Plus	19387e	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
472	Yfiler Plus	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
473	Yfiler Plus	19387e	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
474	Yfiler Plus	19387e	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
476	Yfiler Plus	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
477	Yfiler Plus	19387e	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
478	Yfiler Plus	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
479	Yfiler Plus	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
301	Not Tested	19387e																
302	Not Tested	19387e																
324	Not Tested	19387e																
325	Not Tested	19387e																
326	Not Tested	19387e																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
327	Not Tested	19387e																
329	Not Tested	19387e																
331	Not Tested	19387e																
332	Not Tested	19387e																
333	Not Tested	19387e																
334	Not Tested	19387e																
335	Not Tested	19387e																
336	Not Tested	19387e																
337	Not Tested	19387e																
338	Not Tested	19387e																
344	Not Tested	19387e																
345	Not Tested	19387e																
346	Not Tested	19387e																
347	Not Tested	19387e																
383	Not Tested	19387e																
384	Not Tested	19387e																
385	Not Tested	19387e																
387	Not Tested	19387e																
388	Not Tested	19387e																
389	Not Tested	19387e																
391	Not Tested	19387e																
394	Not Tested	19387e																
395	Not Tested	19387e																
397	Not Tested	19387e																
398	Not Tested	19387e																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19387e	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
403	Not Tested	19387e																
405	Not Tested	19387e																
406	Not Tested	19387e																
408	Not Tested	19387e																
410	Not Tested	19387e																
411	Not Tested	19387e																
412	Not Tested	19387e																
413	Not Tested	19387e																
414	Not Tested	19387e																
415	Not Tested	19387e																
416	Not Tested	19387e																
421	Not Tested	19387e																
422	Not Tested	19387e																
430	Not Tested	19387e																
431	Not Tested	19387e																
432	Not Tested	19387e																
433	Not Tested	19387e																
435	Not Tested	19387e																
436	Not Tested	19387e																
437	Not Tested	19387e																
438	Not Tested	19387e																
451	Not Tested	19387e																
505	Not Tested	19387e																
506	Not Tested	19387e																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
301	PowerPlex Y23	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
302	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
303	PowerPlex Y23	19387s	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
359	PowerPlex Y23	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
360	PowerPlex Y23	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
362	PowerPlex Y23	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
364	PowerPlex Y23	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
365	PowerPlex Y23	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
366	PowerPlex Y23	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
371	PowerPlex Y23	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
372	PowerPlex Y23	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
373	PowerPlex Y23	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
383	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
384	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
385	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
387	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
388	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
389	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
390	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
391	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
392	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
394	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
395	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
396	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
397	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
398	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
399	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
400	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
401	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
402	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
403	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
404	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
405	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
406	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
407	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
408	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
409	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
410	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
411	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
412	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
413	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
414	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
415	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
416	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
417	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
418	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
419	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
420	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
421	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
422	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
430	Yfiler	19387s	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
431	Yfiler	19387s	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
432	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
433	Yfiler	19387s	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
435	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
436	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
438	Yfiler	19387s	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
443	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
444	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
445	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
446	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
447	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
448	Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
449	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
450	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
452	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
453	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
454	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
455	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
456	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
457	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
458	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
459	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
460	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
461	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
462	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
463	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
464	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
465	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
466	PowerPlex Y23 Yfiler	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
471	Yfiler Plus	19387s	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
472	Yfiler Plus	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
473	Yfiler Plus	19387s	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
474	Yfiler Plus	19387s	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
476	Yfiler Plus	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
477	Yfiler Plus	19387s	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
478	Yfiler Plus	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
479	Yfiler Plus	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
505	Yfiler Plus	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
506	Yfiler Plus	19387s	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
324	Not Tested	19387s																
325	Not Tested	19387s																
326	Not Tested	19387s																
327	Not Tested	19387s																
329	Not Tested	19387s																
331	Not Tested	19387s																
332	Not Tested	19387s																
333	Not Tested	19387s																
334	Not Tested	19387s																
335	Not Tested	19387s																
336	Not Tested	19387s																
337	Not Tested	19387s																
338	Not Tested	19387s																
344	Not Tested	19387s																
345	Not Tested	19387s																
346	Not Tested	19387s																
347	Not Tested	19387s																
358	Not Tested	19387s																
361	Not Tested	19387s																
363	Not Tested	19387s																
437	Not Tested	19387s																
451	Not Tested	19387s																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19388	Female Sample															
379	Yfiler Plus	19388	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
301	Not Tested	19388																
302	Not Tested	19388																
303	No Results	19388																
324	Not Tested	19388																
325	No Results	19388																
326	Not Tested	19388																
327	Not Tested	19388																
329	Not Tested	19388																
331	Not Tested	19388																
332	No Results	19388																
333	No Results	19388																
334	No Results	19388																
335	Not Tested	19388																
336	Not Tested	19388																
337	Not Tested	19388																
338	Not Tested	19388																
342	No Results	19388																
344	Not Tested	19388																
345	Not Tested	19388																
346	Not Tested	19388																
347	Not Tested	19388																
358	No Results	19388																
359	No Results	19388																
360	No Results	19388																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19388	Female Sample															
361	No Results	19388																
362	No Results	19388																
363	No Results	19388																
364	No Results	19388																
365	No Results	19388																
366	No Results	19388																
367	No Results	19388																
370	Not Tested	19388																
371	No Results	19388																
372	No Results	19388																
373	No Results	19388																
376	No Results	19388																
377	No Results	19388																
378	No Results	19388																
380	No Results	19388																
381	No Results	19388																
383	Not Tested	19388																
384	Not Tested	19388																
385	Not Tested	19388																
387	Not Tested	19388																
388	Not Tested	19388																
389	Not Tested	19388																
390	Not Tested	19388																
391	Not Tested	19388																
392	Not Tested	19388																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19388	Female Sample															
394	Not Tested	19388																
395	Not Tested	19388																
396	Not Tested	19388																
397	Not Tested	19388																
398	Not Tested	19388																
399	Not Tested	19388																
400	Not Tested	19388																
401	Not Tested	19388																
402	Not Tested	19388																
403	Not Tested	19388																
404	Not Tested	19388																
405	Not Tested	19388																
406	Not Tested	19388																
407	Not Tested	19388																
408	Not Tested	19388																
409	Not Tested	19388																
410	Not Tested	19388																
411	Not Tested	19388																
412	Not Tested	19388																
413	Not Tested	19388																
414	Not Tested	19388																
415	Not Tested	19388																
416	Not Tested	19388																
417	Not Tested	19388																
418	Not Tested	19388																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19388	Female Sample															
419	Not Tested	19388																
420	Not Tested	19388																
421	Not Tested	19388																
422	Not Tested	19388																
428	Not Tested	19388																
430	Not Tested	19388																
431	Not Tested	19388																
432	Not Tested	19388																
433	Not Tested	19388																
435	Not Tested	19388																
436	Not Tested	19388																
437	Not Tested	19388																
438	Not Tested	19388																
440	Not Tested	19388																
443	Not Tested	19388																
444	Not Tested	19388																
445	Not Tested	19388																
446	Not Tested	19388																
447	Not Tested	19388																
448	Not Tested	19388																
449	Not Tested	19388																
450	Not Tested	19388																
451	Not Tested	19388																
452	Not Tested	19388																
453	Not Tested	19388																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19388	Female Sample															
454	Not Tested	19388																
455	Not Tested	19388																
456	Not Tested	19388																
457	Not Tested	19388																
458	Not Tested	19388																
459	Not Tested	19388																
460	Not Tested	19388																
461	Not Tested	19388																
462	Not Tested	19388																
463	Not Tested	19388																
464	Not Tested	19388																
465	Not Tested	19388																
466	Not Tested	19388																
471	Not Tested	19388																
472	Not Tested	19388																
473	No Results	19388																
474	Not Tested	19388																
476	Not Tested	19388																
477	Not Tested	19388																
478	Not Tested	19388																
479	Not Tested	19388																
482	Not Tested	19388																
483	Not Tested	19388																
486	Not Tested	19388																
487	Not Tested	19388																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19388	Female Sample															
488	Not Tested	19388																
489	Not Tested	19388																
490	Not Tested	19388																
491	Not Tested	19388																
492	Not Tested	19388																
493	Not Tested	19388																
505	Not Tested	19388																
506	Not Tested	19388																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
301	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
302	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
303	PowerPlex Y23	19389	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
324	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
325	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
326	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
327	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
329	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
331	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
332	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
333	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
334	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
335	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
336	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
337	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
338	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
342	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
358	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
359	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
360	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
361	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
362	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
363	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
364	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
365	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
366	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
367	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
371	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
372	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
373	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
376	Yfiler Plus	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
377	Yfiler Plus	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
378	Yfiler Plus	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
379	Yfiler Plus	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
380	Yfiler Plus	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
381	Yfiler Plus	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
383	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
384	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
385	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
387	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
388	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
389	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
390	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
391	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
392	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
394	Yfiler	19389	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
395	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
396	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
397	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
398	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
399	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
400	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
401	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
402	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
403	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
404	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
405	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
406	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
407	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
408	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
409	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
410	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
411	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
412	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
413	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
414	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
415	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
416	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
417	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
418	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
419	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
420	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
421	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
422	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
428	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
430	Yfiler	19389	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
431	Yfiler	19389	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
432	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
433	Yfiler	19389	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
435	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
436	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
437	Yfiler	19389	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
438	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
443	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
444	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
445	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
446	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
447	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
448	Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
449	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
450	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
452	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
453	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
454	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
455	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
456	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
457	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
458	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
459	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
460	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
461	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
462	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
463	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
464	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
465	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
466	PowerPlex Y23 Yfiler	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
471	Yfiler Plus	19389	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
472	Yfiler Plus	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
473	Yfiler Plus	19389	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
474	Yfiler Plus	19389	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
476	Yfiler Plus	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
477	Yfiler Plus	19389	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
478	Yfiler Plus	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
479	Yfiler Plus	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
482	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
483	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
486	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
487	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
488	PowerPlex Y23	19389	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
489	PowerPlex Y23	19389	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
490	PowerPlex Y23	19389	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
491	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
492	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
493	PowerPlex Y23	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
505	Yfiler Plus	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
506	Yfiler Plus	19389	17	13	25	28	17	14	11,13	13	10	12	23	14	12	15	12	18
344	Not Tested	19389																
345	Not Tested	19389																
346	Not Tested	19389																
347	Not Tested	19389																
370	Not Tested	19389																
440	Not Tested	19389																
451	Not Tested	19389																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
301	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
302	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
303	PowerPlex Y23	19390	16	13	23	29	20	14	11, 14	13	11	11	24	13	13	15	12	19
324	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
325	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
326	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
327	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
329	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
331	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
332	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
333	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
334	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
335	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
336	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
337	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
338	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
342	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
358	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
359	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
360	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
361	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
362	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
363	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
364	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
365	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
366	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
367	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
371	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
372	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
373	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
376	Yfiler Plus	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
377	Yfiler Plus	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
378	Yfiler Plus	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
379	Yfiler Plus	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
380	Yfiler Plus	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
381	Yfiler Plus	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
383	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
384	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
385	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
387	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
388	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
389	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
390	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
391	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
392	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
394	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
395	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
396	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
397	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
398	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
399	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
400	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
401	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
402	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
403	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
404	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
405	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
406	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
407	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
408	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
409	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
410	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
411	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
412	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
413	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
414	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
415	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
416	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
417	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
418	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
419	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
420	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
421	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
422	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
428	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
430	Yfiler	19390	16	13	23	29	20	14	11, 14	13	11	11	24	13	13	15	12	19
431	Yfiler	19390	16	13	23	29	20	14	11, 14	13	11	11	24	13	13	15	12	19
432	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
433	Yfiler	19390	16	13	23	29	20	14	11, 14	13	11	11	24	13	13	15	12	19
435	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
436	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
437	Yfiler	19390	16	13	23	29	20	14	11, 14	13	11	11	24	13	13	15	12	19
438	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
443	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
444	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
445	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
446	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
447	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
448	Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
449	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
450	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
452	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
453	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
454	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11, 14	13	11	11	24	13	13	15	12	19
455	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
456	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
457	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
458	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
459	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
460	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
461	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
462	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11, 14	13	11	11	24	13	13	15	12	19
463	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
464	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
465	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
466	PowerPlex Y23 Yfiler	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
471	Yfiler Plus	19390	16	13	23	29	20	14	11, 14	13	11	11	24	13	13	15	12	19
472	Yfiler Plus	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
473	Yfiler Plus	19390	16	13	23	29	20	14	11, 14	13	11	11	24	13	13	15	12	19
474	Yfiler Plus	19390	16	13	23	29	20	14	11, 14	13	11	11	24	13	13	15	12	19
476	Yfiler Plus	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
477	Yfiler Plus	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
478	Yfiler Plus	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
479	Yfiler Plus	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
482	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
483	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
486	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
487	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
488	PowerPlex Y23	19390	16	13	23	29	20	14	11, 14	13	11	11	24	13	13	15	12	19
489	PowerPlex Y23	19390	(15), 16	13	23	29	20	14	11, 14	13	11	11	24	13	13	15	12	19
490	PowerPlex Y23	19390	16	13	23	29	20	14	11, 14	13	11	11	24	13	13	15	12	19
491	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
492	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
493	PowerPlex Y23	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
505	Yfiler Plus	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
506	Yfiler Plus	19390	16	13	23	29	20	14	11,14	13	11	11	24	13	13	15	12	19
344	Not Tested	19390																
345	Not Tested	19390																
346	Not Tested	19390																
347	Not Tested	19390																
370	Not Tested	19390																
440	Not Tested	19390																
451	Not Tested	19390																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19391	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
313	No Results	19391																
500	Not Tested	19391																
501	Not Tested	19391																
502	Not Tested	19391																
503	Not Tested	19391																
504	Not Tested	19391																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19392	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
313	PowerPlex Y23	19392	16	13	23	29	20	14	11, 14	13	11	11	24	13	13	15	12	19
500	Not Tested	19392																
501	Not Tested	19392																
502	Not Tested	19392																
503	Not Tested	19392																
504	Not Tested	19392																

Y-STR Results:

Test Number	Y-STR Kit or Status	Sample Number	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385ab	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
Target	All Y-STR Loci	19393	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
313	PowerPlex Y23	19393	17	13	25	28	17	14	11, 13	13	10	12	23	14	12	15	12	18
500	Not Tested	19393																
501	Not Tested	19393																
502	Not Tested	19393																
503	Not Tested	19393																
504	Not Tested	19393																

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19383	Female Sample										
379	Yfiler Plus	19383	NA	NA		NA	NA		NA	NA	NA	NA	NA

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19385e	*	*	*	*	*	*	*	*	*	*	*
303	PowerPlex Y23	19385e	18	25	12	13	17	10					

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19385s	18	25	12	13	17	10	*	*	*	*	*
301	PowerPlex Y23	19385s	18	25	12	13	17	10					
303	PowerPlex Y23	19385s	18	25	12	13	17	10					
482	PowerPlex Y23	19385s	18	25	12	13	17	10					
483	PowerPlex Y23	19385s	18	25	12	13	17	10					
486	PowerPlex Y23	19385s	18	25	12	13	17	10					
487	PowerPlex Y23	19385s	18	25	12	13	17	10					
488	PowerPlex Y23	19385s	18	25	12	13	17	10					
489	PowerPlex Y23	19385s	18	25	12	(12), 13	17	10					
490	PowerPlex Y23	19385s	18	25	12	13	17	10					
491	PowerPlex Y23	19385s	18	25	12	13	17	10					
492	PowerPlex Y23	19385s	18	25	12	13	17	10					
493	PowerPlex Y23	19385s	18	25	12	13	17	10					

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19387e	18	25	12	13	17	10	*	*	*	*	*
303	PowerPlex Y23	19387e	18	25	12	13	17	10					
358	PowerPlex Y23	19387e	18	25	12	13	17	10					
359	PowerPlex Y23	19387e	18	25	12	13	17	10					
360	PowerPlex Y23	19387e	18	25	12	13	17	10					
361	PowerPlex Y23	19387e	18	25	12	13	17	10					
362	PowerPlex Y23	19387e	18	25	12	13	17	10					
363	PowerPlex Y23	19387e	18	25	12	13	17	10					
364	PowerPlex Y23	19387e	18	25	12	13	17	10					
365	PowerPlex Y23	19387e	18	25	12	13	17	10					
366	PowerPlex Y23	19387e	18	25	12	13	17	10					
371	PowerPlex Y23	19387e	18	25	12	13	17	10					
372	PowerPlex Y23	19387e	18	25	12	13	17	10					
373	PowerPlex Y23	19387e	18	25	12	13	17	10					
443	PowerPlex Y23 Yfiler	19387e	N/A	N/A	N/A	N/A	N/A	N/A					
444	PowerPlex Y23 Yfiler	19387e	N/A	N/A	N/A	N/A	N/A	N/A					
445	PowerPlex Y23 Yfiler	19387e	n/a	n/a	n/a	n/a	n/a	n/a					
446	PowerPlex Y23 Yfiler	19387e	NA	NA	NA	NA	NA	NA					
447	PowerPlex Y23 Yfiler	19387e	N/A	N/A	N/A	N/A	N/A	N/A					
449	PowerPlex Y23 Yfiler	19387e	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
450	PowerPlex Y23 Yfiler	19387e	N/A	N/A	N/A	N/A	N/A	N/A					

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19387e	18	25	12	13	17	10	*	*	*	*	*
452	PowerPlex Y23 Yfiler	19387e	NA	NA	NA	NA	NA	NA					
453	PowerPlex Y23 Yfiler	19387e	N/A	N/A	N/A	N/A	N/A	N/A					
454	PowerPlex Y23 Yfiler	19387e	NA	NA	NA	NA	NA	NA					
455	PowerPlex Y23 Yfiler	19387e	N/A	N/A	N/A	N/A	N/A	N/A					
456	PowerPlex Y23 Yfiler	19387e	NA	NA	NA	NA	NA	NA					
457	PowerPlex Y23 Yfiler	19387e	N/A	N/A	N/A	N/A	N/A	N/A					
458	PowerPlex Y23 Yfiler	19387e	NA	NA	NA	NA	NA	NA					
459	PowerPlex Y23 Yfiler	19387e	NA	NA	NA	NA	NA	NA					
460	PowerPlex Y23 Yfiler	19387e	N/A	N/A	N/A	N/A	N/A	N/A					
461	PowerPlex Y23 Yfiler	19387e	n/a	n/a	n/a	n/a	n/a	n/a					
462	PowerPlex Y23 Yfiler	19387e	N/A	N/A	N/A	N/A	N/A	N/A					
463	PowerPlex Y23 Yfiler	19387e	NA	NA	NA	NA	NA	NA					
464	PowerPlex Y23 Yfiler	19387e	N/A	N/A	N/A	N/A	N/A	N/A					
465	PowerPlex Y23 Yfiler	19387e	N/A	N/A	N/A	N/A	N/A	N/A					
466	PowerPlex Y23 Yfiler	19387e	N/A	N/A	N/A	N/A	N/A	N/A					
471	Yfiler Plus	19387e	18	25		13	17		23	11	38	30	36, 38
472	Yfiler Plus	19387e	18	25		13	17		23	11	38	30	36,38

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19387e	18	25	12	13	17	10	*	*	*	*	*
473	Yfiler Plus	19387e	18	25		13	17		23	11	38	30	36, 38
474	Yfiler Plus	19387e	18	25		13	17		23	11	38	30	36, 38
476	Yfiler Plus	19387e	18	25		13	17		23	11	38	30	36,38
477	Yfiler Plus	19387e	18	25		13	17		23	11	38	30	36, 38
478	Yfiler Plus	19387e	18	25		13	17		23	11	38	30	36,38
479	Yfiler Plus	19387e	18	25		13	17		23	11	38	30	36,38

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19387s	18	25	12	13	17	10	23	11	38	30	36,38
301	PowerPlex Y23	19387s	18	25	12	(12),13	17	10					
303	PowerPlex Y23	19387s	18	25	12	13	17	10					
359	PowerPlex Y23	19387s	18	25	12	13	17	10					
360	PowerPlex Y23	19387s	18	25	12	13	17	10					
362	PowerPlex Y23	19387s	18	25	12	13	17	10					
364	PowerPlex Y23	19387s	18	25	12	13	17	10					
365	PowerPlex Y23	19387s	18	25	12	13	17	10					
366	PowerPlex Y23	19387s	18	25	12	13	17	10					
371	PowerPlex Y23	19387s	18	25	12	13	17	10					
372	PowerPlex Y23	19387s	18	25	12	13	17	10					
373	PowerPlex Y23	19387s	18	25	12	13	17	10					
443	PowerPlex Y23 Yfiler	19387s	N/A	N/A	N/A	N/A	N/A	N/A					
444	PowerPlex Y23 Yfiler	19387s	N/A	N/A	N/A	N/A	N/A	N/A					
445	PowerPlex Y23 Yfiler	19387s	n/a	n/a	n/a	n/a	n/a	n/a					
446	PowerPlex Y23 Yfiler	19387s	NA	NA	NA	NA	NA	NA					
447	PowerPlex Y23 Yfiler	19387s	N/A	N/A	N/A	N/A	N/A	N/A					
449	PowerPlex Y23 Yfiler	19387s	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested					
450	PowerPlex Y23 Yfiler	19387s	N/A	N/A	N/A	N/A	N/A	N/A					
452	PowerPlex Y23 Yfiler	19387s	NA	NA	NA	NA	NA	NA					
453	PowerPlex Y23 Yfiler	19387s	N/A	N/A	N/A	N/A	N/A	N/A					

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19387s	18	25	12	13	17	10	23	11	38	30	36,38
454	PowerPlex Y23 Yfiler	19387s	NA	NA	NA	NA	NA	NA					
455	PowerPlex Y23 Yfiler	19387s	N/A	N/A	N/A	N/A	N/A	N/A					
456	PowerPlex Y23 Yfiler	19387s	NA	NA	NA	NA	NA	NA					
457	PowerPlex Y23 Yfiler	19387s	N/A	N/A	N/A	N/A	N/A	N/A					
458	PowerPlex Y23 Yfiler	19387s	NA	NA	NA	NA	NA	NA					
459	PowerPlex Y23 Yfiler	19387s	NA	NA	NA	NA	NA	NA					
460	PowerPlex Y23 Yfiler	19387s	N/A	N/A	N/A	N/A	N/A	N/A					
461	PowerPlex Y23 Yfiler	19387s	n/a	n/a	n/a	n/a	n/a	n/a					
462	PowerPlex Y23 Yfiler	19387s	N/A	N/A	N/A	N/A	N/A	N/A					
463	PowerPlex Y23 Yfiler	19387s	NA	NA	NA	NA	NA	NA					
464	PowerPlex Y23 Yfiler	19387s	N/A	N/A	N/A	N/A	N/A	N/A					
465	PowerPlex Y23 Yfiler	19387s	N/A	N/A	N/A	N/A	N/A	N/A					
466	PowerPlex Y23 Yfiler	19387s	N/A	N/A	N/A	N/A	N/A	N/A					
471	Yfiler Plus	19387s	18	25		13	17		23	11	38	30	36, 38
472	Yfiler Plus	19387s	18	25		13	17		23	11	38	30	36,38
473	Yfiler Plus	19387s	18	25		13	17		23	11	38	30	36, 38
474	Yfiler Plus	19387s	18	25		13	17		23	11	38	30	36, 38
476	Yfiler Plus	19387s	18	25		13	17		23	11	38	30	36,38

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19387s	18	25	12	13	17	10	23	11	38	30	36,38
477	Yfiler Plus	19387s	18	25		13	17		23	11	38	30	36, 38
478	Yfiler Plus	19387s	18	25		13	17		23	11	38	30	36,38
479	Yfiler Plus	19387s	18	25		13	17		23	11	38	30	36,38
505	Yfiler Plus	19387s	18	25		13	17		23	11	38	30	36,38
506	Yfiler Plus	19387s	18	25		13	17		23	11	38	30	36,38

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19388	Female Sample										
379	Yfiler Plus	19388	NA	NA		NA	NA		NA	NA	NA	NA	NA

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19389	18	25	12	13	17	10	23	11	38	30	36,38
301	PowerPlex Y23	19389	18	25	12	13	17	10					
303	PowerPlex Y23	19389	18	25	12	13	17	10					
358	PowerPlex Y23	19389	18	25	12	13	17	10					
359	PowerPlex Y23	19389	18	25	12	13	17	10					
360	PowerPlex Y23	19389	18	25	12	13	17	10					
361	PowerPlex Y23	19389	18	25	12	13	17	10					
362	PowerPlex Y23	19389	18	25	12	13	17	10					
363	PowerPlex Y23	19389	18	25	12	13	17	10					
364	PowerPlex Y23	19389	18	25	12	13	17	10					
365	PowerPlex Y23	19389	18	25	12	13	17	10					
366	PowerPlex Y23	19389	18	25	12	13	17	10					
367	PowerPlex Y23	19389	18	25	12	13	17	10					
371	PowerPlex Y23	19389	18	25	12	13	17	10					
372	PowerPlex Y23	19389	18	25	12	13	17	10					
373	PowerPlex Y23	19389	18	25	12	13	17	10					
376	Yfiler Plus	19389	18	25		13	17		23	11	38	30	36,38
377	Yfiler Plus	19389	18	25		13	17		23	11	38	30	36,38
378	Yfiler Plus	19389	18	25		13	17		23	11	38	30	36,38
379	Yfiler Plus	19389	18	25		13	17		23	11	38	30	36,38
380	Yfiler Plus	19389	18	25		13	17		23	11	38	30	36,38
381	Yfiler Plus	19389	18	25		13	17		23	11	38	30	36,38
443	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
444	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19389	18	25	12	13	17	10	23	11	38	30	36,38
445	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
446	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
447	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
449	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
450	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
452	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
453	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
454	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
455	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
456	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
457	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
458	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
459	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
460	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
461	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
462	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19389	18	25	12	13	17	10	23	11	38	30	36,38
463	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
464	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
465	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
466	PowerPlex Y23 Yfiler	19389	18	25	12	13	17	10					
471	Yfiler Plus	19389	18	25		13	17		23	11	38	30	36, 38
472	Yfiler Plus	19389	18	25		13	17		23	11	38	30	36,38
473	Yfiler Plus	19389	18	25		13	17		23	11	38	30	36, 38
474	Yfiler Plus	19389	18	25		13	17		23	11	38	30	36, 38
476	Yfiler Plus	19389	18	25		13	17		23	11	38	30	36,38
477	Yfiler Plus	19389	18	25		13	17		23	11	38	30	36, 38
478	Yfiler Plus	19389	18	25		13	17		23	11	38	30	36,38
479	Yfiler Plus	19389	18	25		13	17		23	11	38	30	36,38
482	PowerPlex Y23	19389	18	25	12	13	17	10					
483	PowerPlex Y23	19389	18	25	12	13	17	10					
486	PowerPlex Y23	19389	18	25	12	13	17	10					
487	PowerPlex Y23	19389	18	25	12	13	17	10					
488	PowerPlex Y23	19389	18	25	12	13	17	10					
489	PowerPlex Y23	19389	18	25	12	13	17	10					
490	PowerPlex Y23	19389	18	25	12	13	17	10					
491	PowerPlex Y23	19389	18	25	12	13	17	10					
492	PowerPlex Y23	19389	18	25	12	13	17	10					
493	PowerPlex Y23	19389	18	25	12	13	17	10					

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19389	18	25	12	13	17	10	23	11	38	30	36,38
505	Yfiler Plus	19389	18	25		13	17		23	11	38	30	36,38
506	Yfiler Plus	19389	18	25		13	17		23	11	38	30	36,38

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19390	17	23	14	12	18	11	22	10	38	30	35,37
301	PowerPlex Y23	19390	17	23	14	12	18	11					
303	PowerPlex Y23	19390	17	23	14	12	18	11					
358	PowerPlex Y23	19390	17	23	14	12	18	11					
359	PowerPlex Y23	19390	17	23	14	12	18	11					
360	PowerPlex Y23	19390	17	23	14	12	18	11					
361	PowerPlex Y23	19390	17	23	14	12	18	11					
362	PowerPlex Y23	19390	17	23	14	12	18	11					
363	PowerPlex Y23	19390	17	23	14	12	18	11					
364	PowerPlex Y23	19390	17	23	14	12	18	11					
365	PowerPlex Y23	19390	17	23	14	12	18	11					
366	PowerPlex Y23	19390	17	23	14	12	18	11					
367	PowerPlex Y23	19390	17	23	14	12	18	11					
371	PowerPlex Y23	19390	17	23	14	12	18	11					
372	PowerPlex Y23	19390	17	23	14	12	18	11					
373	PowerPlex Y23	19390	17	23	14	12	18	11					
376	Yfiler Plus	19390	17	23		12	18		22	10	38	30	35,37
377	Yfiler Plus	19390	17	23		12	18		22	10	38	30	35,37
378	Yfiler Plus	19390	17	23		12	18		22	10	38	30	35,37
379	Yfiler Plus	19390	17	23		12	18		22	10	38	30	35,37
380	Yfiler Plus	19390	17	23		12	18		22	10	38	30	35,37
381	Yfiler Plus	19390	17	23		12	18		22	10	38	30	35,37
443	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
444	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19390	17	23	14	12	18	11	22	10	38	30	35,37
445	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
446	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
447	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
449	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
450	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
452	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
453	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
454	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
455	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
456	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
457	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
458	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
459	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
460	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
461	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
462	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19390	17	23	14	12	18	11	22	10	38	30	35,37
463	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
464	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
465	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
466	PowerPlex Y23 Yfiler	19390	17	23	14	12	18	11					
471	Yfiler Plus	19390	17	23		12	18		22	10	38	30	35, 37
472	Yfiler Plus	19390	17	23		12	18		22	10	38	30	35,37
473	Yfiler Plus	19390	17	23		12	18		22	10	38	30	35, 37
474	Yfiler Plus	19390	17	23		12	18		22	10	38	30	35, 37
476	Yfiler Plus	19390	17	23		12	18		22	10	38	30	35,37
477	Yfiler Plus	19390	17	23		12	18		22	10	38	30	35, 37
478	Yfiler Plus	19390	17	23		12	18		22	10	38	30	35,37
479	Yfiler Plus	19390	17	23		12	18		22	10	38	30	35,37
482	PowerPlex Y23	19390	17	23	14	12	18	11					
483	PowerPlex Y23	19390	17	23	14	12	18	11					
486	PowerPlex Y23	19390	17	23	14	12	18	11					
487	PowerPlex Y23	19390	17	23	14	12	18	11					
488	PowerPlex Y23	19390	17	23	14	12	18	11					
489	PowerPlex Y23	19390	17	23	14	12	18	(10), 11					
490	PowerPlex Y23	19390	17	23	14	12	18	11					
491	PowerPlex Y23	19390	17	23	14	12	18	11					
492	PowerPlex Y23	19390	17	23	14	12	18	11					
493	PowerPlex Y23	19390	17	23	14	12	18	11					

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19390	17	23	14	12	18	11	22	10	38	30	35,37
505	Yfiler Plus	19390	17	23		12	18		22	10	38	30	35,37
506	Yfiler Plus	19390	17	23		12	18		22	10	38	30	35,37

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19392	*	*	*	*	*	*	*	*	*	*	*
313	PowerPlex Y23	19392	17	23	14	12	18	11					

Additional Y-STR Results:

Test Number	Y-STR Kit	Sample Number	DYS576	DYS481	DYS549	DYS533	DYS570	DYS643	DYS627	DYS460	DYS518	DYS449	DYF387S1
Target	All Y-STR Loci	19393	*	*	*	*	*	*	*	*	*	*	*
313	PowerPlex Y23	19393	18	25	12	13	17	10					

Mitochondrial Results:

HVI-Location and Deviation from rCRS

Test Number	Range	16039	16182	16183	16189	16217	16247	16261	16304	16327	16519
19383		16039	16182	16183	16189	16217	16247	16261			16519
Target	(16024-16569)		C	C	C	C	G	T			C
300	(16024-16389)	N	C	C	C	C	G	T			
303	(16001-16569)		C	C	C	C	G	T			C
324	(16024-16389)		C	C	C	C	G	T			
325	(16024-16569)		C	C	C	C	G	T			C
326	(16024-16569)		C	C	C	C	G	T			C
327	(16024-16569)		C	C	C	C	G	T			C
328	(16024-16389)	N	C	C	C	C	G	T			
329	(16024-16569)		C	C	C	C	G	T			C
330	(16024-16389)		C	C	C	C	G	T			
331	(16024-16569)		C	C	C	C	G	T			C
332	(16024-16569)		C	C	C	C	G	T			C
333	(16024-16389)		C	C	C	C	G	T			
334	(16024-16569)		C	C	C	C	G	T			C
336	(16024-16569)		C	C	C	C	G	T			C
337	(16024-16569)		C	C	C	C	G	T			C
338	(16024-16569)		C	C	C	C	G	T			C
342	(16024-16569)		C	C	C	C	G	T			C
419	(16024-16365)		C	C	C	C	G	T			
420	(16024-16365)		C	C	C	C	G	T			
495	(16024-16365)		C	C	C	C	G	T			

Mitochondrial Results:

HVI-Location and Deviation from rCRS

Test Number	Range	16039	16182	16183	16189	16217	16247	16261	16304	16327	16519
19388		16039	16182	16183	16189	16217	16247	16261			16519
Target	(16024-16569)		C	C	C	C	G	T			C
300	(16024-16569)		C	C	C	C	G	T			C
303	(16004-16387-16420-16569)		C	C	C	C	G	T			C
324	(16024-16388)		C	C	C	C	G	T			
325	(16024-16569)		C	C	C	C	G	T			C
326	(16024-16569)		C	C	C	C	G	T			C
327	(16024-16569)		C	C	C	C	G	T			C
328	(16024-16569)		C	C	C	C	G	T			C
329	(16024-16569)		C	C	C	C	G	T			C
330	(16024-16569)		C	C	C	C	G	T			C
331	(16024-16569)		C	C	C	C	G	T			C
332	(16024-16569)		C	C	C	C	G	T			C
333	(16024-16389)		C	C	C	C	G	T			
334	(16024-16569)		C	C	C	C	G	T			C
336	(16024-16569)	N	C	C	C	C	G	T			C
337	(16024-16569)		C	C	C	C	G	T			C
338	(16024-16569)		C	C	C	C	G	T			C
342	(16024-16569)		C	C	C	C	G	T			C
419	(16024-16365)		C	C	C	C	G	T			
420	(16024-16365)		C	C	C	C	G	T			
495	(16024-16365)		C	C	C	C	G	T			

Mitochondrial Results:

HVI-Location and Deviation from rCRS

Test Number	Range	16039	16182	16183	16189	16217	16247	16261	16304	16327	16519
19389									16304	16327	
Target	(16024-16569)								C	T	
300	(16024-16569)								C	T	
303	(15998-16569)								C	T	
324	(16024-16391)								C	T	
325	(16024-16569)								C	T	
326	(16024-16569)								C	T	
327	(16024-16569)								C	T	
328	(16024-16569)								C	T	
329	(16024-16569)								C	T	
330	(16024-16569)								C	T	
331	(16024-16569)								C	T	
332	(16024-16569)								C	T	
333	(16024-16391)								C	T	
334	(16024-16569)								C	T	
336	(16024-16569)								C	T	
337	(16024-16569)								C	T	
338	(16024-16569)								C	T	
342	(16024-16569)								C	T	
419	(16024-16365)								C	T	
420	(16024-16365)								C	T	
495	(16024-16365)								C	T	

Mitochondrial Results:

HVI-Location and Deviation from rCRS

Test Number	Range	16039	16182	16183	16189	16217	16247	16261	16304	16327	16519
19390								16261	16304		16519
Target	(16024-16569)							T	C		C
300	(16024-16569)							T	C		C
303	(15998-16569)							T	C		C
324	(16024-16391)							T	C		
325	(16024-16569)							T	C		C
326	(16024-16569)							T	C		C
327	(16024-16569)							T	C		C
328	(16024-16569)							T	C		C
329	(16024-16569)							T	C		C
330	(16024-16569)							T	C		C
331	(16024-16569)							T	C		C
332	(16024-16569)							T	C		C
333	(16024-16391)							T	C		
334	(16024-16569)							T	C		C
336	(16024-16569)							T	C		C
337	(16024-16569)							T	C		C
338	(16024-16569)							T	C		C
342	(16024-16569)							T	C		C
419	(16024-16365)							T	C		
420	(16024-16365)							T	C		
495	(16024-16365)							T	C		

Mitochondrial Results:

HVII-Location and Deviation from rCRS

Test Number	Range	41	65	73	93	146	246	263	309.1	309.2	309.3	315.1	317	332	373	456	459	523	524	548
19383		41		73		146	246	263	309.1	309.2	309.3	315.1	317	332			459			548
Target	(1-535)			G		C		G	C Ins	C Ins		C Ins								
300	(39-367)	N		G		C		G	C Ins	C Ins		C Ins	N	N						
303	(1-535)			G		C		G	C Ins	C Ins		C Ins								
324	(39-464)			G		C		G	C Ins	C Ins		C Ins					N			
325	(1-576)			G		C		G	C Ins	C Ins		C Ins								
326	(1-576)			G		C		G	C Ins	C Ins		C Ins								
327	(1-576)			G		C		G	C Ins	C Ins		C Ins								
328	(39-367)	N		G		C		G	C Ins	C Ins		C Ins	N	N						
329	(1-576)			G		C		G	C Ins	C Ins	N	C Ins								N
330	(39-463)			G		C		G	C Ins	C Ins	N	C Ins								
331	(1-576)			G		C		G	C Ins	C Ins	N	C Ins								
332	(1-576)			G		C		G	C Ins	C Ins		C Ins								
333	(39-464)			G		C		G	C Ins	C Ins		C Ins								
334	(1-576)			G		C		G	C Ins	C Ins		C Ins								
336	(1-576)			G		C		G	C Ins	C Ins		C Ins								
337	(1-576)			G		C		G	C Ins	C Ins		C Ins								
338	(1-576)			G		C		G	C Ins	C Ins		C Ins								
342	(1-576)			G		C	N	G	C Ins	C Ins		C Ins								
419	(73-340)			G		C		G	C Ins	C Ins		C Ins								
420	(73-340)			G		C		G	C Ins	C Ins		C Ins								
495	(60-340)			G		C		G	C Ins	C Ins		C Ins								

Mitochondrial Results:

HVII-Location and Deviation from rCRS

Test Number		Range	563	572	573	574
19383			563	572	573	574
Target	(1-535)					
300	(39-367)					
303	(1-535)					
324	(39-464)					
325	(1-576)					
326	(1-576)					
327	(1-576)					
328	(39-367)					
329	(1-576)		N	N	N	N
330	(39-463)					
331	(1-576)					
332	(1-576)					
333	(39-464)					
334	(1-576)					
336	(1-576)					
337	(1-576)					
338	(1-576)					
342	(1-576)					
419	(73-340)					
420	(73-340)					
495	(60-340)					

Mitochondrial Results:

HVII-Location and Deviation from rCRS

Test Number	Range	41	65	73	93	146	246	263	309.1	309.2	309.3	315.1	317	332	373	456	459	523	524	548
19388			65	73		146	246	263	309.1	309.2	309.3	315.1								
Target	(1-535)			G		C		G	C Ins	C Ins		C Ins								
300	(1-576)			G		C		G	C Ins	C Ins		C Ins								
303	(1-535)			G		C		G	C Ins	C Ins		C Ins								
324	(52-464)		N	G		C		G	C Ins	C Ins		C Ins								
325	(1-576)			G		C		G	C Ins	C Ins		C Ins								
326	(1-576)			G		C		G	C Ins	C Ins		C Ins								
327	(1-576)			G		C		G	C Ins	C Ins		C Ins								
328	(1-576)			G		C		G	C Ins	C Ins		C Ins								
329	(1-576)			G		C		G	C Ins	C Ins	N	C Ins								
330	(1-576)			G		C		G	C Ins	C Ins		C Ins								
331	(1-576)			G		C		G	C Ins	C Ins	N	C Ins								
332	(1-576)			G		C		G	C Ins			C Ins								
333	(39-464)			G		C		G	C Ins	C Ins		C Ins								
334	(1-576)			G		C		G	C Ins	C Ins		C Ins								
336	(1-576)			G		C		G	C Ins	C Ins		C Ins								
337	(1-576)			G		C		G	C Ins	C Ins		C Ins								
338	(1-576)			G		C		G	C Ins	C Ins		C Ins								
342	(1-576)			G		C	N	G	C Ins	C Ins		C Ins								
419	(73-340)			G		C		G	C Ins	C Ins		C Ins								
420	(73-340)			G		C		G	C Ins	C Ins		C Ins								
495	(60-340)			G		C		G	C Ins	C Ins		C Ins								

Mitochondrial Results:

HVII-Location and Deviation from rCRS

Test Number		Range	563	572	573	574
19388						
Target	(1-535)					
300	(1-576)					
303	(1-535)					
324	(52-464)					
325	(1-576)					
326	(1-576)					
327	(1-576)					
328	(1-576)					
329	(1-576)					
330	(1-576)					
331	(1-576)					
332	(1-576)					
333	(39-464)					
334	(1-576)					
336	(1-576)					
337	(1-576)					
338	(1-576)					
342	(1-576)					
419	(73-340)					
420	(73-340)					
495	(60-340)					

Mitochondrial Results:

HVII-Location and Deviation from rCRS

Test Number	Range	41	65	73	93	146	246	263	309.1	309.2	309.3	315.1	317	332	373	456	459	523	524	548
19389								263				315.1			373	456				
Target	(1-535)							G				C Ins			G	T				
300	(1-576)							G				C Ins			G	T				
303	(1-535)							G				C Ins			G	T				
324	(35-464)							G				C Ins			G	T				
325	(1-576)							G				C Ins			G	T				
326	(1-576)							G				C Ins			G	T				
327	(1-576)							G				C Ins			G	T				
328	(1-576)							G				C Ins			G	T				
329	(1-576)							G				C Ins			G	T				
330	(1-576)							G				C Ins			G	T				
331	(1-576)							G				C Ins			G	T				
332	(1-576)							G				C Ins			G	T				
333	(35-464)							G				C Ins			G	T				
334	(1-576)							G				C Ins			G	T				
336	(1-576)							G				C Ins			G	T				
337	(1-576)							G				C Ins			G	T				
338	(1-576)							G				C Ins			G	T				
342	(1-576)							G				C Ins			G	T				
419	(73-340)							G				C Ins								
420	(73-340)							G				C Ins								
495	(60-373)							G				C Ins			G					

Mitochondrial Results:

HVII-Location and Deviation from rCRS

Test Number	Range	563	572	573	574
19389					
Target	(1-535)				
300	(1-576)				
303	(1-535)				
324	(35-464)				
325	(1-576)				
326	(1-576)				
327	(1-576)				
328	(1-576)				
329	(1-576)				
330	(1-576)				
331	(1-576)				
332	(1-576)				
333	(35-464)				
334	(1-576)				
336	(1-576)				
337	(1-576)				
338	(1-576)				
342	(1-576)				
419	(73-340)				
420	(73-340)				
495	(60-373)				

Mitochondrial Results:

HVII-Location and Deviation from rCRS

Test Number	Range	41	65	73	93	146	246	263	309.1	309.2	309.3	315.1	317	332	373	456	459	523	524	548
19390					93			263				315.1						523	524	
Target	(1-535)				G			G				C Ins						A Del	C Del	
300	(1-576)				G			G				C Ins						A Del	C Del	
303	(1-535)				G			G				C Ins						A Del	C Del	
324	(35-464)				G			G				C Ins								
325	(1-576)				G			G				C Ins						A Del	C Del	
326	(1-576)				G			G				C Ins						A Del	C Del	
327	(1-576)				G			G				C Ins						A Del	C Del	
328	(1-576)				G			G				C Ins						A Del	C Del	
329	(1-576)				G			G				C Ins						A Del	C Del	
330	(1-576)				G			G				C Ins						A Del	C Del	
331	(1-576)				G			G				C						A Del	C Del	
332	(1-576)				G			G				C Ins						A Del	C Del	
333	(35-464)				G			G				C Ins								
334	(1-576)				G			G				C Ins						A Del	C Del	
336	(1-576)				G			G				C Ins						A Del	C Del	
337	(1-576)				G			G				C Ins						A Del	C Del	
338	(1-576)				G			G				C Ins						A Del	C Del	
342	(1-576)				G			G				C Ins						A Del	C Del	
419	(73-340)				G			G				C Ins								
420	(73-340)				G			G				C Ins								
495	(60-340)				G			G				C Ins								

Mitochondrial Results:

HVII-Location and Deviation from rCRS

Test Number	Range	563	572	573	574
19390					
Target	(1-535)				
300	(1-576)				
303	(1-535)				
324	(35-464)				
325	(1-576)				
326	(1-576)				
327	(1-576)				
328	(1-576)				
329	(1-576)				
330	(1-576)				
331	(1-576)				
332	(1-576)				
333	(35-464)				
334	(1-576)				
336	(1-576)				
337	(1-576)				
338	(1-576)				
342	(1-576)				
419	(73-340)				
420	(73-340)				
495	(60-340)				

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

		Reference Sample Number		
Test Number	Evidence Sample Number	19388	19389	19390
Target	19383	Yes	No	No
300	19383	Yes	No	No
301	19383	Yes	No	No
302	19383	Yes	No	No
303	19383	Yes	No	No
304	19383	Yes	No	No
305	19383	Yes	No	No
306	19383	Yes	No	No
307	19383	Yes	No	No
308	19383	Yes	No	No
309	19383	Yes	No	No
310	19383	Yes	No	No
311	19383	Yes	No	No
312	19383	Yes	No	No
324	19383	Yes	No	No
325	19383	Yes	No	No
326	19383	Yes	No	No
327	19383	Yes	No	No
328	19383	Yes	No	No
329	19383	Yes	No	No
330	19383	Yes	No	No
331	19383	Yes	No	No
332	19383	Yes	No	No
333	19383	Yes	No	No
334	19383	Yes	No	No

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

Test Number	Evidence Sample Number	Reference Sample Number		
		19388	19389	19390
335	19383	Yes	No	No
336	19383	Yes	No	No
337	19383	Yes	No	No
338	19383	Yes	No	No
344	19383	Yes	No	No
345	19383	Yes	No	No
346	19383	Yes	No	No
347	19383	Yes	No	No
350	19383	Yes	No	No
351	19383	Yes	No	No
352	19383	Yes	No	No
353	19383	Yes	No	No
354	19383	Yes	No	No
355	19383	Yes	No	No
356	19383	Yes	No	No
357	19383	Yes	No	No
358	19383	Yes	No	No
359	19383	Yes	No	No
360	19383	Yes	No	No
361	19383	Yes	No	No
362	19383	Yes	No	No
363	19383	Yes	No	No
364	19383	Yes	No	No
365	19383	Yes	No	No
366	19383	Yes	No	No

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

Test Number	Evidence Sample Number	Reference Sample Number		
		19388	19389	19390
371	19383	Yes	No	No
372	19383	Yes	No	No
373	19383	Yes	No	No
383	19383	Yes	No	No
384	19383	Yes	No	No
385	19383	Yes	No	No
387	19383	Yes	No	No
388	19383	Yes	No	No
389	19383	Yes	No	No
390	19383	Yes	No	No
391	19383	Yes	No	No
392	19383	Yes	No	No
394	19383	Yes	No	No
395	19383	Yes	No	No
396	19383	Yes	No	No
397	19383	Yes	No	No
398	19383	Yes	No	No
399	19383	Yes	No	No
400	19383	Yes	No	No
401	19383	Yes	No	No
402	19383	Yes	No	No
403	19383	Yes	No	No
404	19383	Yes	No	No
405	19383	Yes	No	No
406	19383	Yes	No	No

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

Test Number	Evidence Sample Number	Reference Sample Number		
		19388	19389	19390
407	19383	Yes	No	No
408	19383	Yes	No	No
409	19383	Yes	No	No
410	19383	Yes	No	No
411	19383	Yes	No	No
412	19383	Yes	No	No
413	19383	Yes	No	No
414	19383	Yes	No	No
415	19383	Yes	No	No
416	19383	Yes	No	No
417	19383	Yes	No	No
418	19383	Yes	No	No
419	19383	Yes	No	No
420	19383	Yes	No	No
421	19383	Yes	No	No
422	19383	Yes	No	No
428	19383	Yes	No	No
430	19383	Yes	No	No
431	19383	Yes	No	No
432	19383	Yes	No	No
433	19383	Yes	No	No
435	19383	Yes	No	No
436	19383	Yes	No	No
438	19383	Yes	No	No
443	19383	Yes	No	No

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

		Reference Sample Number		
Test Number	Evidence Sample Number	19388	19389	19390
444	19383	Yes	No	No
445	19383	Yes	No	No
446	19383	Yes	No	No
447	19383	Yes	No	No
448	19383	Yes	No	No
449	19383	Yes	No	No
450	19383	Yes	No	No
452	19383	Yes	No	No
453	19383	Yes	No	No
454	19383	Yes	No	No
455	19383	Yes	No	No
456	19383	Yes	No	No
457	19383	Yes	No	No
458	19383	Yes	No	No
459	19383	Yes	No	No
460	19383	Yes	No	No
461	19383	Yes	No	No
462	19383	Yes	No	No
463	19383	Yes	No	No
464	19383	Yes	No	No
465	19383	Yes	No	No
466	19383	Yes	No	No
471	19383	Yes	No	No
472	19383	Yes	No	No
473	19383	Yes	No	No

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

Test Number	Evidence Sample Number	Reference Sample Number		
		19388	19389	19390
474	19383	Yes	No	No
476	19383	Yes	No	No
477	19383	Yes	No	No
478	19383	Yes	No	No
479	19383	Yes	No	No
482	19383	Yes	No	No
483	19383	Yes	No	No
486	19383	Yes	No	No
487	19383	Yes	No	No
488	19383	Yes	No	No
489	19383	Yes	No	No
490	19383	Yes	No	No
491	19383	Yes	No	No
492	19383	Yes	No	No
493	19383	Yes	No	No
495	19383	Yes	No	No
497	19383	Yes	No	No
498	19383	Yes	No	No
499	19383	Yes	No	No
505	19383	Yes	No	No
506	19383	Yes	No	No

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

		Reference Sample Number		
Test Number	Evidence Sample Number	19388	19389	19390
Target	19384	No Results	No Results	No Results
300	19384	No Results	No Results	No Results
301	19384	No Results	No Results	No Results
302	19384	No Results	No Results	No Results
303	19384	No Results	No Results	No Results
304	19384	No Results	No Results	No Results
305	19384	No Results	No Results	No Results
306	19384	No Results	No Results	No Results
307	19384	No Results	No Results	No Results
308	19384	No Results	No Results	No Results
309	19384	No Results	No Results	No Results
310	19384	No Results	No Results	No Results
311	19384	No Results	No Results	No Results
312	19384	No Results	No Results	No Results
344	19384	Not Tested	Not Tested	Not Tested
345	19384	Not Tested	Not Tested	Not Tested
346	19384	Not Tested	Not Tested	Not Tested
347	19384	Not Tested	Not Tested	Not Tested
350	19384	Not Tested	Not Tested	Not Tested
351	19384	Not Tested	Not Tested	Not Tested
352	19384	Not Tested	Not Tested	Not Tested
353	19384	Not Tested	Not Tested	Not Tested
354	19384	Not Tested	Not Tested	Not Tested
355	19384	Not Tested	Not Tested	Not Tested
356	19384	Not Tested	Not Tested	Not Tested

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

		Reference Sample Number		
Test Number	Evidence Sample Number	19388	19389	19390
357	19384	Not Tested	Not Tested	Not Tested
443	19384	Not Tested	Not Tested	Not Tested
444	19384	Not Tested	Not Tested	Not Tested
445	19384	Not Tested	Not Tested	Not Tested
446	19384	Not Tested	Not Tested	Not Tested
447	19384	Not Tested	Not Tested	Not Tested
448	19384	Not Tested	Not Tested	Not Tested
449	19384	Not Tested	Not Tested	Not Tested
450	19384	Not Tested	Not Tested	Not Tested
452	19384	Not Tested	Not Tested	Not Tested
453	19384	Not Tested	Not Tested	Not Tested
454	19384	Not Tested	Not Tested	Not Tested
455	19384	Not Tested	Not Tested	Not Tested
456	19384	Not Tested	Not Tested	Not Tested
457	19384	Not Tested	Not Tested	Not Tested
458	19384	Not Tested	Not Tested	Not Tested
459	19384	Not Tested	Not Tested	Not Tested
460	19384	Not Tested	Not Tested	Not Tested
461	19384	Not Tested	Not Tested	Not Tested
462	19384	Not Tested	Not Tested	Not Tested
463	19384	Not Tested	Not Tested	Not Tested
464	19384	Not Tested	Not Tested	Not Tested
465	19384	Not Tested	Not Tested	Not Tested
466	19384	Not Tested	Not Tested	Not Tested
471	19384	Not Tested	Not Tested	Not Tested

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

		Reference Sample Number		
Test Number	Evidence Sample Number	19388	19389	19390
472	19384	Not Tested	Not Tested	Not Tested
473	19384	Not Tested	Not Tested	Not Tested
474	19384	Not Tested	Not Tested	Not Tested
476	19384	No Results	No Results	No Results
477	19384	No Results	No Results	No Results
478	19384	Not Tested	Not Tested	Not Tested
479	19384	No Results	No Results	No Results
482	19384	Not Tested	Not Tested	Not Tested
483	19384	Not Tested	Not Tested	Not Tested
493	19384	No Results	No Results	No Results
497	19384	Not Tested	Not Tested	Not Tested
498	19384	Not Tested	Not Tested	Not Tested
499	19384	Not Tested	Not Tested	Not Tested
505	19384	Not Tested	Not Tested	Not Tested
506	19384	Not Tested	Not Tested	Not Tested

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

		Reference Sample Number		
Test Number	Evidence Sample Number	19388	19389	19390
Target	19385	Yes	Yes	No
300	19385	Not Tested	Not Tested	Not Tested
301	19385	Yes	Yes	No
302	19385	Yes	Yes	No
303	19385	Yes	Yes	No
304	19385	Yes	Yes	No
305	19385	Yes	Yes	No
306	19385	Yes	Yes	No
307	19385	Yes	Yes	No
308	19385	Yes	Yes	No
309	19385	Yes	Yes	No
310	19385	Yes	Yes	No
311	19385	Yes	Yes	No
312	19385	Yes	Yes	No
428	19385	Yes	Yes	No
482	19385	Yes	Yes	No
483	19385	Yes	Yes	No
486	19385	Yes	Yes	No
487	19385	Yes	Yes	No
488	19385	Yes	Yes	No
489	19385	Yes	Yes	No
490	19385	Yes	Yes	No
491	19385	Yes	Yes	No
492	19385	Yes	Yes	No
493	19385	Yes	Yes	No

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

Test Number	Evidence Sample Number	Reference Sample Number		
		19388	19389	19390
498	19385	Yes	Yes	No
499	19385	Yes	Yes	No

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

		Reference Sample Number		
Test Number	Evidence Sample Number	19388	19389	19390
Target	19386	No Results	No Results	No Results
300	19386	Not Tested	Not Tested	Not Tested
301	19386	No Results	No Results	No Results
302	19386	No Results	No Results	No Results
303	19386	No Results	No Results	No Results
304	19386	No Results	No Results	No Results
305	19386	No Results	No Results	No Results
306	19386	No Results	No Results	No Results
307	19386	No Results	No Results	No Results
308	19386	No Results	No Results	No Results
309	19386	No Results	No Results	No Results
310	19386	No Results	No Results	No Results
311	19386	No Results	No Results	No Results
312	19386	No Results	No Results	No Results
344	19386	Not Tested	Not Tested	Not Tested
345	19386	Not Tested	Not Tested	Not Tested
346	19386	Not Tested	Not Tested	Not Tested
347	19386	Not Tested	Not Tested	Not Tested
350	19386	Not Tested	Not Tested	Not Tested
351	19386	Not Tested	Not Tested	Not Tested
352	19386	Not Tested	Not Tested	Not Tested
353	19386	Not Tested	Not Tested	Not Tested
354	19386	Not Tested	Not Tested	Not Tested
355	19386	Not Tested	Not Tested	Not Tested
356	19386	Not Tested	Not Tested	Not Tested

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

Test Number	Evidence Sample Number	Reference Sample Number		
		19388	19389	19390
357	19386	Not Tested	Not Tested	Not Tested
443	19386	No Results	No Results	No Results
444	19386	No Results	No Results	No Results
445	19386	No Results	No Results	No Results
446	19386	No Results	No Results	No Results
447	19386	No Results	No Results	No Results
448	19386	No Results	No Results	No Results
449	19386	No Results	No Results	No Results
450	19386	No Results	No Results	No Results
452	19386	No Results	No Results	No Results
453	19386	No Results	No Results	No Results
454	19386	No Results	No Results	No Results
455	19386	No Results	No Results	No Results
456	19386	No Results	No Results	No Results
457	19386	No Results	No Results	No Results
458	19386	No Results	No Results	No Results
459	19386	No Results	No Results	No Results
460	19386	No Results	No Results	No Results
461	19386	No Results	No Results	No Results
462	19386	No Results	No Results	No Results
463	19386	No Results	No Results	No Results
464	19386	No Results	No Results	No Results
465	19386	No Results	No Results	No Results
466	19386	No Results	No Results	No Results
471	19386	Not Tested	Not Tested	Not Tested

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

Test Number	Evidence Sample Number	Reference Sample Number		
		19388	19389	19390
472	19386	Not Tested	Not Tested	Not Tested
473	19386	Not Tested	Not Tested	Not Tested
474	19386	Not Tested	Not Tested	Not Tested
476	19386	No Results	No Results	No Results
477	19386	No Results	No Results	No Results
478	19386	Not Tested	Not Tested	Not Tested
479	19386	No Results	No Results	No Results
482	19386	Not Tested	Not Tested	Not Tested
483	19386	Not Tested	Not Tested	Not Tested
493	19386	No Results	No Results	No Results
497	19386	Not Tested	Not Tested	Not Tested
498	19386	Not Tested	Not Tested	Not Tested
499	19386	Not Tested	Not Tested	Not Tested
505	19386	Not Tested	Not Tested	Not Tested
506	19386	Not Tested	Not Tested	Not Tested

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

		Reference Sample Number		
Test Number	Evidence Sample Number	19388	19389	19390
Target	19387	No	Yes	No
300	19387	Not Tested	Not Tested	Not Tested
301	19387	No	Yes	No
302	19387	No	Yes	No
303	19387	No	Yes	No
304	19387	No	Yes	No
305	19387	No	Yes	No
306	19387	No	Yes	No
307	19387	No	Yes	No
308	19387	No	Yes	No
309	19387	No	Yes	No
310	19387	No	Yes	No
311	19387	No	Yes	No
312	19387	No	Yes	No
324	19387	Not Tested	Not Tested	Not Tested
325	19387	Not Tested	Not Tested	Not Tested
326	19387	Not Tested	Not Tested	Not Tested
327	19387	Not Tested	Not Tested	Not Tested
328	19387	Not Tested	Not Tested	Not Tested
329	19387	Not Tested	Not Tested	Not Tested
330	19387	Not Tested	Not Tested	Not Tested
331	19387	Not Tested	Not Tested	Not Tested
332	19387	Not Tested	Not Tested	Not Tested
333	19387	Not Tested	Not Tested	Not Tested
334	19387	Not Tested	Not Tested	Not Tested

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

Test Number	Evidence Sample Number	Reference Sample Number		
		19388	19389	19390
335	19387	Not Tested	Not Tested	Not Tested
336	19387	Not Tested	Not Tested	Not Tested
337	19387	Not Tested	Not Tested	Not Tested
338	19387	Not Tested	Not Tested	Not Tested
344	19387	No	Yes	No
345	19387	No	Yes	No
346	19387	No	Yes	No
347	19387	No	Yes	No
350	19387	No	Yes	No
351	19387	No	Yes	No
352	19387	No	Yes	No
353	19387	No	Yes	No
354	19387	No	Yes	No
355	19387	No	Yes	No
356	19387	No	Yes	No
357	19387	No	Yes	No
358	19387	No	Yes	No
359	19387	No	Yes	No
360	19387	No	Yes	No
361	19387	No	Yes	No
362	19387	No	Yes	No
363	19387	No	Yes	No
364	19387	No	Yes	No
365	19387	No	Yes	No
366	19387	No	Yes	No

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

Test Number	Evidence Sample Number	Reference Sample Number		
		19388	19389	19390
371	19387	No	Yes	No
372	19387	No	Yes	No
373	19387	No	Yes	No
383	19387	No	Yes	No
384	19387	No	Yes	No
385	19387	No	Yes	No
387	19387	No	Yes	No
388	19387	No	Yes	No
389	19387	No	Yes	No
390	19387	No	Yes	No
391	19387	No	Yes	No
392	19387	No	Yes	No
394	19387	No	Yes	No
395	19387	No	Yes	No
396	19387	No	Yes	No
397	19387	No	Yes	No
398	19387	No	Yes	No
399	19387	No	Yes	No
400	19387	No	Yes	No
401	19387	No	Yes	No
402	19387	No	Yes	No
403	19387	No	Yes	No
404	19387	No	Yes	No
405	19387	No	Yes	No
406	19387	No	Yes	No

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

Test Number	Evidence Sample Number	Reference Sample Number		
		19388	19389	19390
407	19387	No	Yes	No
408	19387	No	Yes	No
409	19387	No	Yes	No
410	19387	No	Yes	No
411	19387	No	Yes	No
412	19387	No	Yes	No
413	19387	No	Yes	No
414	19387	No	Yes	No
415	19387	No	Yes	No
416	19387	No	Yes	No
417	19387	No	Yes	No
418	19387	No	Yes	No
419	19387	No	Yes	No
420	19387	No	Yes	No
421	19387	No	Yes	No
422	19387	No	Yes	No
430	19387	No	Yes	No
431	19387	No	Yes	No
432	19387	No	Yes	No
433	19387	No	Yes	No
435	19387	No	Yes	No
436	19387	No	Yes	No
438	19387	No	Yes	No
443	19387	No	Yes	No
444	19387	No	Yes	No

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

Test Number	Evidence Sample Number	Reference Sample Number		
		19388	19389	19390
445	19387	No	Yes	No
446	19387	No	Yes	No
447	19387	No	Yes	No
448	19387	No	Yes	No
449	19387	No	Yes	No
450	19387	No	Yes	No
452	19387	No	Yes	No
453	19387	No	Yes	No
454	19387	No	Yes	No
455	19387	No	Yes	No
456	19387	No	Yes	No
457	19387	No	Yes	No
458	19387	No	Yes	No
459	19387	No	Yes	No
460	19387	No	Yes	No
461	19387	No	Yes	No
462	19387	No	Yes	No
463	19387	No	Yes	No
464	19387	No	Yes	No
465	19387	No	Yes	No
466	19387	No	Yes	No
471	19387	No	Yes	No
472	19387	No	Yes	No
473	19387	No	Yes	No
474	19387	No	Yes	No

Conclusions:

Can the reference samples be from a contributor to the evidence sample(s) provided?

Test Number	Evidence Sample Number	Reference Sample Number		
		19388	19389	19390
476	19387	No	Yes	No
477	19387	No	Yes	No
478	19387	No	Yes	No
479	19387	No	Yes	No
495	19387	Not Tested	Not Tested	Not Tested
497	19387	No	Yes	No
505	19387	No	Yes	No
506	19387	No	Yes	No

Comments/Conclusions:

Test Number	Notes
300	This laboratory does not have a validated protocol for the processing of semen swabs and thus samples 19385, 19386, and 19387 were not processed for this test.
301	STR Results 19383 to 19387: GlobalFiler 19388 to 19390: GlobalFiler, GlobalFiler Express and PowerPlex Fusion 6C. Results are normally not entered for PowerPlex Fusion 6C as casework reporting is based on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification. Sample 19384: No DNA profile was obtained from the extracted sample, hence the status was set to "No Results". Sample 19386: Sample tested negative for semen, extraction via DNA IQ™ Casework Pro Kit for Maxwell® 16 without differential was performed. Thus status of 19386s was set to "Not Tested" and results obtained from this extraction was entered under 19386e. Since no DNA profile was obtained from the extracted sample, status of 19386e was set to "No Results". Y-STR Results Sample 19387s at locus DYS533: There is a minor allele 12, which is inconsistent with being a contributor to the overall profile. The peak height ratio of allele 12 to allele 13 is 10.71%, exceeding the laboratory's stutter threshold of 10.70% for the locus. Allele 12 is likely to be an elevated stutter.
301	Test done: Presumptive test for blood: Kastle-Meyer Confirmatory test for human blood: Bluestar OBTI Confirmatory test for Semen: Sperm Hy-Liter PI, RSID-Semen and Seratec PSA Results: Sample 19383: Kastle-Meyer positive and Bluestar OBTI positive. Sample 19384: Kastle-Meyer negative. Sample 19385: Sperm Hy-Liter PI positive. Sample 19386: Sperm Hy-Liter PI negative. RSID-Semen and Seratec PSA negative. Sample 19387: RSID-Semen and Seratec PSA positive. Additional Comments: Saliva and semen tests are not performed by the laboratory for FTA cards (Samples 19383 and 19384). Blood and saliva tests are not conducted on rape kit swab samples and semen swab samples (Samples 19385, 19386 and 19387). Semenogelin & PSA tests are not performed on samples that test positive for Spermatozoa (Sample 19385).
303	MtDNA: Evidence sample 19384 did not generate mtDNA sequence data. Samples 19385, 19386, and 19387 were not processed for mtDNA analysis.
324	This laboratory does not have a validated protocol for the processing of semen swabs and thus sample 19387 was not processed for this test. Fusion and Yfiler were performed on samples 19389 and 19390. Results were concordant in both kits at DYS391. Yfiler and YLCN testing was performed on Sample 19389. All loci were concordant.

Comments/Conclusions:

Test Number	Notes
325	This laboratory does not have a validated protocol for the processing of semen swabs and thus sample 19387 was not processed for this test. Mito sequencing using Next Generation Sequencing (NGS) technology was performed on samples 19383, 19388, 19389 and 19390. Although data outside the control region (CR) was obtained, only the CR data is reported. Minifiler testing was performed on sample 19383. Results were concordant at overlapping loci. Fusion and Yfiler were performed on samples 19383, 19388, 19389 and 19390. Results were concordant at DYS391. NR: No results obtained for locus
326	This laboratory does not have a validated protocol for the processing of semen samples and thus 19387 was not processed for this test. Fusion/Yfiler was performed on 19389 and 19390. Results were concordant at DYS391. Both Yfiler and LCN Yfiler were performed on sample 19390. The results were concordant at all loci.
327	This laboratory does not have a validated protocol for the processing of semen swabs and thus sample 19387 was not processed for this test. Samples 19388, 19389, and 19390 were processed using Next Generation Sequencing technology for mtDNA. Although data outside the control region (CR) was obtained, only the CR data was reported. Sample 19389 was processed with LCN Y, and has concordant results with the reported Yfiler results. Locus DYS391 is concordant between the Fusion and Yfiler results for the applicable samples (19389 and 19390).
328	This laboratory does not have a validated protocol for the processing of semen swabs and thus sample 19387 was not processed for this test.
329	This laboratory does not have a validated protocol for the processing of semen swabs and this Item 19387 was not processed for this test. MiniFiler was performed on Item 19383. Results were concordant at all overlapping loci. Fusion and Yfiler were performed on Items 19389 and 19390. Results were concordant at DYS391.
330	This laboratory does not have a validated protocol for the processing of semen swabs and thus sample 19387 was not processed for this test. Samples 19388, 19389, and 19390 were processed in Next Generation Sequencing (NGS) technology. Although data outside the control region was obtained (CR), only the CR data is reported.
331	NR: No Results This laboratory does not have a validated protocol for the processing of semen swabs and thus sample 19387 was not processed for this test. The PowerPlex Fusion and Minifiler data are concordant at overlapping loci for sample 19383. The PowerPlex Fusion and Yfiler data are concordant at DYS391 for samples 19389 and 19390.

Comments/Conclusions:

Test Number	Notes
332	This laboratory does not have a validated protocol for the processing of semen swabs and therefore sample 19387 was not processed for this test. Mito sequencing using Next Generation Sequencing (NGS) technology was performed on samples 19383, 19388, 19389 and 19390. Although data outside the control region (CR) was obtained, only the CR data is reported. Minifiler testing was performed on sample 19383 Results were concordant at all overlapping loci. Fusion and Y-filer were performed on samples 19383, 19388, 19389 and 19390 . Results were concordant at DYS391. NR: No results obtained for locus
333	The laboratory does not have a validated protocol for the processing of semen swabs and thus 19387 was not processed for this test. NR = No Results Results were concordant at DYS391 between Fusion and Yfiler data. Sample 19383 was tested using both Fusion and Minifiler, results were concordant.
334	This laboratory does not have a validated protocol for the processing of semen swabs therefore sample 19387 was not processed. NR: No Result Minifiler testing was completed on sample 19383 and was concordant with all overlapping loci. LCNY testing was completed on sample 19389 and was concordant with all overlapping loci. Fusion and YFiler were performed on samples 19383, 19389, and 19390 and was concordant at DYS391. Samples 19383, 19388, 19389, and 19390 were processed using Next Generation Sequencing technology for mtDNA. Although data was obtained outside the Control Region (CR), only the CR was reported.
335	The laboratory does not have a validated protocol for the processing of semen swabs and thus Sample 19387 was not processed for this test.
336	This laboratory does not have a validated protocol for the processing of semen swabs and thus Sample Number 19387 was not processed for this test. Sample Number 19383 was concordant in all overlapping loci for both IdentifierPlus and Minifiler kits.
337	The laboratory does not have a validated protocol for the processing of semen swabs and thus Sample 19387 was not processed for this test.
338	This laboratory does not have a validated protocol for the processing of semen swabs and thus sample number 19387 was not processed for this test. PowerPlex Fusion, Yfiler and LCN Yfiler were performed on Sample Number 19389. Results were concordant at all overlapping loci. PowerPlex Fusion and Yfiler were performed on Sample Number 19390. Results were concordant at all overlapping loci.
342	The Minifiler profile for sample 19389 was consistent with all Fusion loci for sample 19389. The LCN-Y profile for sample 19389 was concordant with the regular Yfiler profile for sample 19389. The Fusion and Yfiler results were concordant at DYS391 for samples 19389 and 19390.
352	NR = No Result

Comments/Conclusions:

Test Number	Notes
353	NR=no results
358	Laser microdissection was used to extract the sperm fraction of item 19387, which has only been validated with PowerPlex Fusion 6C.
361	#19387 sperm fraction was tested using laser microdissection and direct amplification with PowerPlex Fusion 6C. Therefore, no YSTR analysis was performed on this fraction.
363	#19387 sperm fraction was tested using laser microdissection and direct amplification with PowerPlex Fusion 6C. Therefore, no Y-STR analysis performed on this fraction.
376	Victim cannot be excluded as the source of the DNA profile from the crime scene sample. Suspect 1 and 2 can be excluded as the source of the DNA profile from the crime scene sample.
377	Database Proficiency Testing Victim cannot be excluded as the source of the DNA profile from the crime scene sample. Suspect 1 can be excluded as the source of the DNA profile from the crime scene sample. Suspect 2 can be excluded as the source of the DNA profile from the crime scene sample.
378	The victim (Item 19388) cannot be excluded as the source of the crime scene bloodstain (Item 19383). Suspect 1 (Item 19389) and Suspect 2 (Item 19390) are not the source of the crime scene bloodstain (Item 19383).
379	The Victim cannot be excluded as the source of the DNA profile from the crime scene sample. Suspect 1 and Suspect 2 can be excluded as the source of the DNA profile from the crime scene sample.
380	Victim cannot be excluded as the source of the DNA profile from the crime scene sample. Suspect 1 and 2 can be excluded as the source of the DNA profile from the crime scene sample.
381	Victim cannot be excluded as the source of the DNA profile from the crime scene sample. Suspect 1 and 2 can be excluded as the source of the DNA profile from the crime scene sample.
383	Any labeled peaks seen in the crime scene semen swab, sperm cell fraction sample that are likely PCR/STR artifacts were not reported and will not be used for conclusions or comparisons. As per {laboratory} interpretation policies, the DYS391 locus in the Fusion kit will be reported as INC.
384	Due to laboratory policy, all samples typed in Fusion are inconclusive at DYS319. Any labeled peaks seen in sample 19383 and 19387 that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons.
385	DYS391 is reported as INC for all samples tested per lab policy. For all samples tested, any labeled peaks that are likely due to PCR/STR artifact were not reported and will not be used for conclusions or comparisons.
387	For PowerPlex Fusion, DYS391 is reported as INC as per laboratory interpretation policy. Any labeled peaks seen in sample 19387s that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons.
388	For PowerPlex Fusion, DYS391 is reported as INC per laboratory interpretation policy. For all samples tested, any labeled peaks that are likely due to PCR/STR artifact were not reported and will not be used for conclusions or comparisons
389	Fusion data for DYS391 locus will be reported as INC as per laboratory interpretation guidelines.
390	As per {laboratory} interpretation policies the DYS391 locus in the Fusion kit will be reported as INC.
391	DYS391 is reported as INC for all samples tested per lab policy. For all samples tested, any labeled peaks that are likely due to PCR/STR artifact were not reported and will not be used for conclusions or comparisons.

Comments/Conclusions:

Test Number	Notes
392	Any labeled peaks that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons. DYS391 is reported as INC per laboratory policy.
394	DYS391 for Fusion is reported as INC as per lab policy. For all samples tested, any labeled peaks that are likely due to PCR/STR artifact were not reported and will not be used for conclusions or comparisons.
395	As per {laboratory} interpretation policies the DYS391 locus in the Fusion kit will be reported as INC. For all samples tested, any labeled peaks that are likely due to PCR/STR artifact were not reported and will not be used for conclusions or comparisons.
396	Any alleles that were attributed to PCR/STR artifacts were not reported. DYS391 locus was reported as INC as per laboratory policy.
397	Per laboratory policy, the DYS391 locus tested in PowerPlex Fusion will not be interpreted and will be reported as INC. For all samples tested, any labeled peaks that are likely due to PCR/STR artifact were not reported and will not be used for conclusions or comparisons.
398	DYS391 is reported as INC for all samples as per lab policy. For all samples tested, any labeled peaks that are likely due to PCR/STR artifact were not reported and will not be used for conclusions or comparisons
399	Any labeled peaks see in sample 19387, sperm cell fraction that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions and comparisons. Per laboratory protocol, interpretation results for DYS391 with PowerPlex Fusion are deemed as inconclusive.
400	DYS391 is reported as INC per lab policy. For all samples tested, any labeled peaks that are likely due to PCR/STR artifact were not reported and will not be used for conclusions or comparisons.
401	The laboratory policy is not to interpret DYS391 in Fusion.
402	DYS391 is reported as INC for all samples tested per laboratory policy. For all samples tested, any labeled peaks that are likely due to PCR/STR artifact were not reported and will not be used for conclusions or comparisons.
403	DYS391 is reported as INC per lab policy. Any labeled peaks that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons.
404	When testing in PowerPlus Fusion, it is laboratory policy to report results for DYS391 as INC.
405	DYS391 is reported as INC for all samples tested as per lab policy. For all samples tested, any labeled peaks that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons
406	As per {laboratory} interpretaion policies the DYS391 locus in the Fusion kit will be reported as INC.
407	DYS391 is reported as INC per lab policy. Any alleles attributed to PCR/STR artifacts were not reported.
408	DYS391 is reported as INC as per laboratory policy. Any labeled peaks seen in 19387s that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons.
409	Per laboratory protocol, interpretation results of DYS391 with PowerPlex Fusion are deemed as inconclusive. Any labeled peaks seen in sample "crime scene semen swab, sperm cell fraction" that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons.

Comments/Conclusions:

Test Number	Notes
410	With regard to PowerPlex Fusion results, DYS391 is reported as INC as per {laboratory}'s interpretation policy. Any labeled peaks seen in samples 19383 and 19387s that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons.
411	DYS391 reported INC per {laboratory} interpretation policy.
412	DYS391 is reported as INC for all samples tested as per lab policy. A single source DNA profile was obtained from samples 19383 and 19387e. Any labeled peaks that are likely due to PCR/STR artifact were not reported and will not be used for conclusions or comparisons.
413	For all samples tested, any labeled peaks that are likely due to PCR/STR artifact were not reported and will not be used for conclusions or comparisons. DYS391 is reported as INC for all samples tested per lab policy.
414	DYS391 is reported as INC for all samples tested in Powerplex Fusion as per lab policy. For all samples tested, any labeled peaks that are likely due to PCR/STR artifact were not reported and will not be used for conclusions or comparisons.
415	As per laboratory policy, DYS391 is reported as INC for all samples tested with the PowerPlex Fusion kit.
416	DYS391 locus was reported as INC for Fusion profiles for all samples as per laboratory policy. Any labeled peaks that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons.
417	DYS391 is reported as INC for Fusion results per lab policy.
418	DYS391 is reported as INC for all samples tested per lab policy.
419	Due to laboratory policy, all samples typed in Fusion are inconclusive at DYS391. For all samples tested, any labeled peaks that are likely due to PCR/STR artifact were not reported and will not be used for conclusions or comparisons. Length heteroplasmy is present in the HVI & HVII region of evidence sample 19383. Length heteroplasmy is present in the HVI & HVII region of reference sample 19388.
420	DYS391 is reported as INC per laboratory policy. Length heteroplasmy is present in the HVI and HVII regions of evidence sample 19383 and reference sample 19388.
421	DYS391 was reported as INC for PowerPlex Fusion, for all samples in accordance to laboratory policy. Any labeled peaks seen in samples that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons.
422	Any labeled peaks that are likely due to PCR/STR artifact were not reported and will not be used for conclusions or comparisons. As per laboratory policy, DYS391 is reported as "INC" for all samples tested with the PowerPlex Fusion Kit.
429	On June 29, 2019, I performed a Kastle-Meyer test, a presumptive blood test, on two red/brown stains. Item #19383 bloodstain card- Crime Scene Sample yielded a positive result. Item #19384 bloodstain card- Crime Scene Sample yielded a negative result. I utilized the Alternate Light Source (ALS), to search for the presence of possible biological body fluids, on two cotton tipped swabs. Item #19386 one cotton tipped swab- Crime Scene Sample had no visible stain and had a negative result with no visible fluorescence with the use of the ALS. Item #19387 one cotton tipped swab- Crime Scene Sample had no visible stain and had a negative result with no visible fluorescence with the use of the ALS.

Comments/Conclusions:

Test Number	Notes
431	NR = no results
432	NR = No Result
435	NR = No Results
436	NR = No result
437	NR = No result No interpretation reported. Samples analyzed for database purposes only.
438	NR=No Results
440	DNA Interpretations not reported. Samples analyzed for database purposes only.
441	Forensic Biology Evidence Screening Results Exhibit 0001-01: One crime stain sample: 19383 PHE: Positive Hematrace: Positive ALS: Negative AP: Negative Exhibit 0001-02: One crime stain sample: 19384 PHE: Negative Hematrace: Negative ALS: Negative AP: Negative Exhibit 0001-03: One crime swab sample: 19386 AP: Negative Exhibit 0001-04: One crime swab sample: 19387 AP: Positive ALS = Alternate Light Source for locating stains, AP = Acid Phosphatase - presumptive for seminal fluid, PHE = Phenolphthalein - presumptive for blood, Hematrace = presumptive for human blood
442	Forensic Biology Evidence Screening Results Exhibit 0001-01: One crime stain sample: 19383 PHE: Positive Hematrace: Positive ALS: Negative AP: Negative Exhibit 0001-02: One crime stain sample: 19384 PHE: Negative Hematrace: Negative ALS: Negative AP: Negative Exhibit 0001-03: One crime swab sample: 19386 AP: Negative Exhibit 0001-04: One crime swab sample: 19387 AP: Positive AP: Acid Phosphatase PHE: Phenolphthalein ALS: Alternate Light Source
443	Exhibit 83 (19383) - PHE (+), AP (-) Exhibit 84 (19384) - PHE (-), AP (-) Exhibit 86 (19386) - AP (-), P30 (-), Spermatozoa: Not Seen Exhibit 87 (19387) - AP(+), P30(+), Spermatozoa: Seen

Comments/Conclusions:

Test Number	Notes
443	The DNA from Exhibits 83 (19383), 86 (19386) and 87 (19387) was amplified using the PCR-based PowerPlex Fusion 6C system. The DNA from Exhibits 88 (19388), 89 (19389) and 90 (19390) was amplified using the PCR-based PowerPlex Fusion system. The DNA from Exhibit 87 (19387) was amplified using the PCR-based AmpFISTR Yfiler kit. The DNA from Exhibits 89 (19389) and 90 (19390) was amplified using the PCR-based PowerPlex Y23 system. Note: NA=Not applicable at these locations because sample was amped using Fusion and Yfiler NR = No Results
444	The DNA from Exhibits 83 (19383), 86 (19386), and 87 (19387) was amplified using the PCR-based PowerPlex Fusion 6C System and the DNA from Exhibits 88 (19388), 89 (19389), and 90 (19390) was amplified using the PCR-based PowerPlex Fusion System. The DNA from Exhibit 87 (19387) was amplified using the PCR-based AmpFISTR Yfiler kit. The DNA from Exhibits 89 (19389) and 90 (19390) was amplified using the PCR-based PowerPlex Y23 kit. These samples were analyzed using a capillary electrophoresis instrument and DNA typing was conducted according to {laboratory} protocols. NR=No Result N/A=Not Applicable
444	Sample # 19383: PHE (+), AP (-) Sample # 19384: PHE (-), AP (-) Sample # 19386: AP (-), PSA (-), Sperm not seen Sample # 19387: AP (+), PSA (+), Sperm seen
445	Exhibit 83: Crime stain sample (Item #19383) - PHE: Positive/AP: Negative Exhibit 84: Crime stain sample (Item #19384) - PHE: Negative/AP: Negative Exhibit 86: Crime swab sample (Item #19386) - AP: Negative/p30: Negative/Spermatozoa: Not Seen Exhibit 87: Crime swab sample (Item #19387) - AP: Positive/p30: Positive/Spermatozoa: Seen PHE - Phenolphthalein AP - Acid Phosphatase p30 - Prostate Specific Antigen
445	Items 19383 (Exhibit 83), 19386 (Exhibit 86) and 19387 (Exhibit 87) amplified in PowerPlex Fusion 6C. Items 19388 (Exhibit 88), 19389 (Exhibit 89) and 19390 (Exhibit 90) amplified in PowerPlex Fusion. Item 19387 (Exhibit 87) amplified in AmpFISTR Yfiler. Items 19389 (Exhibit 89) and 19390 (Exhibit 90) amplified in PowerPlex Y23.
446	NA=Not applicable NR=No results Samples 19383, 19386, 19387(E & S) were amplified using the PowerPlex Fusion 6C kit. Samples 19388, 19389 & 19390 were amplified using the PowerPlex Fusion kit. Samples 19387(E & S) were amplified using the AmpFISTR Yfiler kit. Samples 19389 & 19390 were amplified using the Power Plex Y23.
446	Crime scene stain sample #19383: PHE(+), AP(-) Crime scene stain sample #19384: PHE(-), AP(-) Crime swab sample #19386: AP(-) Crime swab sample #19387: AP(+), p30(+), Spermatozoa: Seen PHE: Phenolphthalein AP: Acid Phosphatase p30: Prostate Specific Antigen

Comments/Conclusions:

Test Number	Notes
447	Sample 19383: PHE: Positive AP: Negative Sample 19384: PHE: Negative AP: Negative Sample 19386: AP: Negative Sample 19387: AP: Positive P30: Positive Spermatozoa: Seen
447	The DNA from samples 19383, 19386, and 19387 was amplified using the PCR-based PowerPlex Fusion 6C system, and the DNA from samples 19388, 19389, and 19390 was amplified using the PCR-based PowerPlex Fusion system. The DNA from samples 19389 and 19390 was amplified using the PCR-based PowerPlex Y23 system, and the DNA from sample 19387 was amplified using the PCR-based AmpFISTR Yfiler kit. Note: On STR/YSTR Results, N/A was used to signify locations not applicable for that specific amplification kit. NR was used where no results were obtained for the male markers; profiles consistent with female victim.
448	Samples 19383, 19386, 19387, 19388, 19389, and 19390 ampmed in Fusion 6C. Samples 19387, 19389, and 19390 ampmed in Yfiler.
448	Sample 19383: PHE (+), AP(-) Sample 19384: PHE(-), AP(-) Sample 19386: AP(-) Sample 19387: AP(+), p30 (+), Spermatozoa Seen
449	19383 PHE(+), AP(-) 19384 PHE(-), AP(-) 19386 AP(-), P30(-), Spermatozoa (not seen) 19387 AP(+), P30(+), Spermatozoa (seen)
449	19383, 19386, 19387 ampmed in Fusion 6C 19388, 19389, 19390 ampmed in Fusion 19387 ampmed in Yfiler 19389, 19390 ampmed in Y23
450	The DNA from Samples 19383, 19386, and 19387 was amplified using the PCR-based PowerPlex Fusion 6C System. The DNA from Samples 19388, 19389, and 19390 was amplified using the PCR-based PowerPlex Fusion System. The DNA from Sample 19387 was amplified using the PCR-based AmpFISTR Yfiler kit. The DNA from Samples 19389, and 19390 was amplified using the PCR-based PowerPlex Y23 kit. N/A = Not Applicable
450	Sample #19383 PHE -Positive, AP-Negative Sample #19384 PHE -Negative, AP-Negative #19386 AP -Negative Sample #19387 AP-Positive, P30-Positive, Spermatozoa-Seen Sample

Comments/Conclusions:

Test Number	Notes
451	Forensic Biology Evidence Screening Results Exhibit 83: Crime stain sample PHE: Positive Hematrace: Positive ALS: Negative AP: Negative Exhibit 84: Crime stain sample PHE: Negative Hematrace: Negative ALS: Negative AP: Negative Exhibit 86: Crime swab sample AP: Negative Exhibit 87: Crime swab sample AP: Positive p30: Positive Spermatozoa: Seen PHE = Phenolphthalein, AP = Acid phosphatase, p30= (PSA) Prostate Specific Antigen Spermatozoa = Microscopic examination of Spermatozoa, ALS = Alternative Light Source
451	Serology/Extraction Proficiency Reference samples were not extracted No comparison or conclusions made Only STR charted
452	Samples 19383, 19386, 19387e, 19387s were amplified using PowerPlex Fusion 6C. Samples 19388, 19389, and 19390 were amplified using PowerPlex Fusion. Samples 19389 and 19390 were amplified using PowerPlex Y23. Samples 19387e and 19387s were amplified using Yfiler. NR = No Results NA = Not Applicable; locus not tested
452	Sample 19383 tested PHE (Positive), AP (Negative) Sample 19384 tested PHE (Negative), AP (Negative) Sample 19386 tested AP (Negative) Sample 19387 tested AP (Positive), p30 (Positive), and Spermatozoa (Seen) PHE = Phenolphthalein - presumptive for blood AP = Acid Phosphatase - presumptive for seminal fluid p30 = Prostate Specific Antigen - presumptive for seminal fluid Spermatozoa = Microscopic examination of spermatozoa
453	19383: PHE (+), AP (-) 19384: PHE(-), AP(-) 19386: AP(-) 19387: AP(+), p30 (+), spermatozoa (seen) PHE: Phenolphthalein -presumptive for blood AP: Acid Phosphatase -presumptive for seminal fluid p30: Prostate Specific Antigen -presumptive for seminal fluid Spermatozoa: Microscopic examination of spermatozoa
453	Samples 19383, 19386, and 19387 were amplified using the Powerplex Fusion 6C kit Sample 19387 was amplified using the Yfiler kit Samples 19388, 19389, and 19390 were amplified using the Powerplex Fusion kit Samples 19389 and 19390 were amplified using the Powerplex Y23 kit. N/A= not applicable NR = no results

Comments/Conclusions:

Test Number	Notes
454	The DNA from samples 19383, 19386, 19387(E), and 19387(S) was amplified using the PCR-based PowerPlex Fusion 6C System, and the DNA from samples 19388, 19389, and 19390 was amplified using the PCR-based PowerPlex Fusion System. The DNA from samples 19387(E) and 19387(S) was amplified using the PCR-based AmpFISTR Yfiler kit, and the DNA from samples 19389 and 19390 were amplified using the PCR-based PowerPlex Y23 System. STR/Y-STR Results: NA = no results at locus or locus not applicable to amplification kit.
454	Sample 19383; PHE(+), AP (-) Sample 19384; PHE(-), AP (-) Sample 19386; AP(-) Sample 19387; AP(+), P30 (+) and Sperm (Seen) PHE = Phenolphthalein; AP = Acid Phosphatase; P30 = Prostate Specific Antigen; Sperm = Spermatozoa
455	Sample 19383 (Exhibit 83): PHE: Positive AP: Negative Sample 19384 (Exhibit 84): PHE: Negative AP: Negative Sample 19386 (Exhibit 86): AP: Negative Sample 19387 (Exhibit 87): AP: Positive p30: Positive Spermatozoa: Seen PHE: Phenolphthalein AP: Acid Phosphatase p30: Prostate specific antigen
455	The DNA from Sample numbers 19383, 19386 and 19387 was amplified using the PCR-based PowerPlex Fusion 6C System. The DNA from Sample numbers 19388, 19389 and 19390 was amplified using the PCR-based PowerPlex Fusion System. The DNA from Sample number 19387 was amplified using the PCR-based AmpFISTR Yfiler kit. The DNA from Sample numbers 19389 and 19390 was amplified using the PCR-based PowerPlex Y23 System. These samples were analyzed using a capillary electrophoresis instrument. Not applicable NR=No Results N/A=
456	PowerPlex Fusion 6C - 19383, 19386, 19387; PowerPlex Fusion - 19388, 19389, 19390; AmpFISTR Yfiler - 19387; PowerPlex Y23 - 19389 and 19390
456	19383: Crime Stain Sample ALS: Negative AP: Negative PHE: Positive 19384: Crime Stain Sample ALS: Negative AP: Negative PHE: Negative 19386: Crime Swab Sample AP: Negative 19387: Crime Swab Sample AP: Positive P30: Positive Spermatozoa: Positive PHE= Phenolphthalein, AP= Acid Phosphatase, P30= (PSA) Prostate Specific Antigen Spermatozoa: Microscopic examination of spermatozoa ALS= Alternate Light Source
457	19383 - PHE (+); AP (-) 19384 - PHE (-); AP (-) 19386 - AP (-) 19387 - AP (+); PSA (+); sperm seen

Comments/Conclusions:

Test Number	Notes
457	19383, 19386, 19387 - ampmed with Fusion 6C 19388, 19389, 19390 - ampmed with Fusion 5C 19387 - ampmed with Y-Filer 19389, 19390 - ampmed with Y23 N/A = Not Applicable NR = No Result
458	Sample # 19383, 19386, and 19387 (E and S) were amplified using the PCR-based PowerPlex Fusion 6C system. Sample # 19388, 19389, and 19390 were amplified using the PCR-based PowerPlex Fusion system. Sample # 19389 and 19390 were amplified using the PCR-based PowerPlex Y23 system. Sample # 19387 (E and S) was amplified using the PCR-based AmpFISTR Yfiler kit. These samples were analyzed using a capillary electrophoresis instrument. NR in STR/YSTR results tab = No Results NA in STR/YSTR results tab = Not Applicable
458	Sample # 19383: PHE (+), AP (-) Sample # 19384: PHE (-), AP (-) Sample # 19386: AP (-) Sample # 19387: AP (+), P30 (+), Sperm seen PHE: Phenolphthalein AP: Acid Phosphatase P30: Prostate Specific Antigen Sperm: Spermatozoa
459	19383: PHE positive, AP negative 19384: PHE negative, AP negative 19386: AP negative 19387: AP positive, p30 positive, Sperm positive PHE:phenolphthalein; AP:acid phosphatase; p30/PSA: prostate specific antigen; Sperm: microscopic examination
459	The DNA from Exhibits 83, 86, and 87 (19383, 19386, 19387) was amplified using the PCR-based PowerPlex Fusion 6C System. The DNA from Exhibit 87 (19387) was amplified using the PCR-based AmpFISTR Yfiler kit. The DNA from Exhibits 88, 89, and 90 (19388, 19389, 19390) was amplified using the PCR-based PowerPlex Fusion system. The DNA from Exhibits 89 and 90 (19389 and 19390) was amplified using the PCR-based PowerPlex Y23 system. The samples were analyzed using a capillary electrophoresis instrument and DNA typing was conducted according to {laboratory} protocols. NA reported in STR results means that the location was not applicable when using the PowerPlex Fusion System. NA reported in Y-STR results means that the location was not applicable when using the AmpFISTR Yfiler kit. NR reported in the STR results means that no result was obtained for that particular location.
460	N/A=Not Applicable at these locations; 19388-19390 ampmed with FUSION 5C; 19389 and 19390 ampmed with Y23. NR=No Result The DNA from Exhibits 19383, 19386, and 19387 was amplified using the PCR-based PowerPlex Fusion 6C System. The DNA from Exhibit 19387 was amplified using the PCR-based AmpFISTR Yfiler kit. The DNA from Exhibits 19388-19390 was amplified using the PCR-based PowerPlex Fusion System. The DNA from Exhibits 19389 and 19390 was amplified using the PCR-based PowerPlex Y23 System. The samples were analyzed using a capillary electrophoresis instrument.

Comments/Conclusions:

Test Number	Notes
460	Sample Number: 19383 PHE(+); AP(-) Sample Number: 19384 PHE(-); AP(-) Sample Number: 19386 AP(-); P30(-); Microscopic Analysis-Sperm not seen Sample Number: 19387 AP(+); P30(+); Microscopic Analysis-Sperm seen PHE=Phenolphthalein AP=Acid Phosphatase P30=Prostate Specific Antigen test
461	Sample 19383: PHE: Positive, AP: Negative Sample 19384: PHE: Negative, AP: Negative Sample 19386: AP: Negative Sample 19387: AP: Positive, P30: Positive, Spermatazoa: Seen PHE= Phenolphthalein, AP= Acid phosphatase, P30= (PSA) Prostate Specific Antigen Spermatazoa= Microscopic examination of spermatazoa
461	The DNA from samples 19383, 19386, and 19387 was amplified using the PCR-based PowerPlex Fusion 6C system. The DNA from samples 19388, 19389, and 19390 was amplified using the PCR-based PowerPlex Fusion system. The DNA from sample 19387 was also amplified using the PCR-based AmpFISTR Yfiler kit. The DNA from samples 19389 and 19390 was also amplified using the PowerplexY23 system. The samples were analyzed using a capillary electrophoresis instrument, and DNA typing was conducted according to {laboratory} protocols; see STR Results in the Bode Technology report. {Laboratory}: {Laboratory} NR= No results, N/A= Not applicable
462	The DNA from Exhibits 19383, 19386, and 19387 was amplified using the PCR-based PowerPlex Fusion 6C system, and the DNA from Exhibits 19388, 19389, and 19390 was amplified using the PCR-based PowerPlex Fusion system. The DNA from Exhibit 19387 was also amplified using the PCR-based AmpFISTR Yfiler kit, and the DNA from Exhibits 19389 and 19390 was also amplified using the PCR-based PowerPlex Y23 system. Note: On the STR Results table, "N/A" was used for locations not applicable for samples amplified with PowerPlex Fusion. "No Data" was used when no results were obtained for the male markers, due to reference profile consisting of female victim. On the Y-STR Results table, "N/A" was used for locations not applicable for samples amplified with Yfiler.
462	Exhibit 19383 PHE (+) AP (-) Exhibit 19384 PHE (-) AP (-) Exhibit 19386 AP (-) p30 (-) Spermatozoa Not Seen Exhibit 19387 AP (+) p30 (+) Spermatozoa Seen PHE: Phenolphthalein - presumptive for blood AP: Acid Phosphatase - presumptive for seminal fluid p30: Prostate Specific Antigen - presumptive for seminal fluid Spermatozoa Seen / Spermatozoa Not Seen: Microscopic examination for spermatozoa

Comments/Conclusions:

Test Number	Notes
463	Exhibit 83 (19383): PHE (+), AP (-) Exhibit 84 (19384): PHE (-), AP (-) Exhibit 86 (19386): AP (-), PSA (-), Spermatozoa not seen Exhibit 87 (19387): AP (+), PSA (+), Spermatozoa seen PHE= phenolphthalein, AP= Acid phosphatase, PSA= Prostate-specific antigen
463	The DNA from Exhibits 19388, 19389, and 19390 was amplified using the PCR-based PowerPlex Fusion system. The DNA from Exhibits 19383, 19386, and 19387 was amplified using the PCR-based PowerPlex Fusion 6C system. The DNA from Exhibits 19389 and 19390 was amplified using the PCR-based PowerPlex Y23 system. The DNA from Exhibit 19387 was amplified using the PCR-based AmpFISTR Yfiler kit. The samples were analyzed using a capillary electrophoresis instrument, and DNA typing was conducted according to {laboratory} protocols. NA=Not Applicable, NR=No Result
464	Samples 19383, 19386, and 19387 were amplified using PowerPlex Fusion 6C System. Samples 19388, 19389, and 19390 were amplified using PowerPlex Fusion System. Samples 19389 and 19390 were amplified using PowerPlex Y23 System. Sample 19387 was amplified using AmpfISTR Yfiler Kit. These samples were analyzed using a capillary electrophoresis instrument. NR=No Results N/A= Not Applicable; locus not tested
464	Sample 19383 tested PHE (Positive), AP(Negative) Sample 19384 tested PHE(Negative), AP(Negative) Sample 19386 tested AP(Negative) Sample 19387 tested AP(Positive), p30(Positive), Spermatozoa(Seen) PHE = Phenolphthalein - presumptive for blood AP = Acid Phosphatase - presumptive for seminal fluid p30 = Prostate Specific Antigen - presumptive for seminal fluid Spermatozoa = Microscopic examination of spermatozoa
465	Sample 19383 tested PHE (Positive), AP(Negative) Sample 19384 tested PHE(Negative), AP(Negative) Sample 19386 tested AP(Negative) Sample 19387 tested AP(Positive), p30(Positive), Spermatozoa(Seen) PHE = Phenolphthalein - presumptive for blood AP = Acid Phosphatase - presumptive for seminal fluid p30 = Prostate Specific Antigen - presumptive for seminal fluid Spermatozoa = Microscopic examination of spermatozoa
465	Samples 19383, 19386, and 19387 were amplified using PowerPlex Fusion 6C System. Samples 19388, 19389, and 19390 were amplified using PowerPlex Fusion System. Samples 19389 and 19390 were amplified using PowerPlex Y23 System. Sample 19386 was amplified using AmpfISTR Yfiler Kit. These samples were analyzed using a capillary electrophoresis instrument. NR=No Results N/A= Not Applicable; locus not tested

Comments/Conclusions:

Test Number	Notes																												
466	Exhibit 83- Powerplex Fusion 6C Exhibit 86- Powerplex Fusion 6C Exhibit 87- Powerplex Fusion 6C, Yfiler Exhibit 88- Powerplex Fusion Exhibit 89- Powerplex Fusion, Powerplex Y23 Exhibit 90- Powerplex Fusion, Powerplex Y23 NR= no results N/A = Not applicable																												
466	19383: PHE- positive, AP- negative 19384: PHE- negative, AP, negative 19386: AP-negative 19387: AP-positive, P30- positive, spermatozoa- seen PHE= Phenolphthalein - presumptive test for blood AP= Acid Phosphatase - presumptive test for seminal fluid P30= prostate specific antigen - presumptive test for seminal fluid Spermatozoa= microscopic examination of spermatozoa																												
471	Screening of all samples via Autosomal/Y-Chromosomal Quantitation. <table><tr><th>Sample</th><th>Total DNA (ng/uL)</th><th>Male DNA (ng/uL)</th><th>Result</th></tr><tr><td>19383</td><td>1.7700</td><td>--</td><td>no male detected, proceed to STR typing</td></tr><tr><td>19384</td><td>0.0000</td><td>--</td><td>insufficient DNA detected, cease sample processing</td></tr><tr><td>19386E</td><td>0.0000</td><td>--</td><td>insufficient DNA detected, cease sample processing</td></tr><tr><td>19386S</td><td>0.0000</td><td>--</td><td>insufficient DNA detected, cease sample processing</td></tr><tr><td>19387E</td><td>0.5310</td><td>0.5270</td><td>proceed to STR typing</td></tr><tr><td>19387S</td><td>1.2000</td><td>1.4000</td><td>proceed to STR typing</td></tr></table>	Sample	Total DNA (ng/uL)	Male DNA (ng/uL)	Result	19383	1.7700	--	no male detected, proceed to STR typing	19384	0.0000	--	insufficient DNA detected, cease sample processing	19386E	0.0000	--	insufficient DNA detected, cease sample processing	19386S	0.0000	--	insufficient DNA detected, cease sample processing	19387E	0.5310	0.5270	proceed to STR typing	19387S	1.2000	1.4000	proceed to STR typing
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471	"NR" indicates no results obtained from Locus.																												
472	The special character " - " was used in the STR Results page to document loci where no calls were made.																												
474	"-" in results indicates no results obtained for that particular locus. Samples not tested are available for testing.																												
474	samples 19384 and 19386 were not subjected to autosomal testing due to quantitation results																												
476	Additional samples are available for Y-STR testing.																												
478	NR denotes no results																												
481	Samples analysed for database use only. 19383 (crime scene bloodstain, PTS000074) matched 19388 (bloodstain from victim, PTS000075)																												
482	Sample 19385 gave positive results with APT, p30, and microscopic examinations.																												

Comments/Conclusions:

Test Number	Notes
486	N.D. denotes Not Detected 19383 - GlobalFiler 19385 - GlobalFiler, PowerPlex Y23 19388 - GlobalFiler, PowerPlex Fusion 6C 19389 - GlobalFiler, PowerPlex Fusion 6C, PowerPlex Y23 19390 - GlobalFiler, PowerPlex Fusion 6C, PowerPlex Y23 Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification. Sample 19383 at locus D21S11 - There is a minor allele 35, which is inconsistent with being a contributor to the overall profile. The average peak height ratio of allele 35 to allele 36 is 11.20%, exceeding the Laboratory's stutter threshold for this locus of 10.69%. The minor allele 35 is likely to be an elevated stutter.
487	N.D. denotes not detected. 19383, 19388, 19389 and 19390 - GlobalFiler and PowerPlex Fusion 6C. 19385 - GlobalFiler. STR results: Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification. Y-STR Results: Sample 19385s at locus DYS439 – There is a minor allele 11, which is inconsistent with being a contributor to the overall profile. The peak height ratio of allele 11 to allele 12 is 10.92%, exceeding the Laboratory's stutter threshold for this locus of 10.70%. The minor allele 11 is likely to be an elevated stutter.
488	N.D. denotes Not Detected. Samples 19383, 19385 - GlobalFiler Samples 19388, 19389, 19390 - GlobalFiler, PowerPlex Fusion 6C STR results: Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification.
489	N.D. - Not Detected Sample 19388 at locus D21S11 - There is a minor allele 35 which is inconsistent with being a contributor to the overall profile. The average peak height ratio of allele 35 to allele 36 is 11.78%, exceeding the Laboratory's stutter threshold for this locus of 10.69%. The minor allele 35 is likely to be an elevated stutter. Sample 19385s at locus DYS533 - There is a minor allele 12 which is inconsistent with being a contributor to the overall profile. The average peak height ratio of allele 12 to allele 13 is 12.2%, exceeding the Laboratory's stutter threshold for this locus of 10.7%. The minor allele 12 is likely to be an elevated stutter. Sample 19390 at locus DYS643 - There is a minor allele 10 which is inconsistent with being a contributor to the overall profile. The average peak height ratio of allele 10 to allele 11 is 8.08%, exceeding the Laboratory's stutter threshold for this locus of 5.12%. The minor allele 10 is likely to be an elevated stutter. Sample 19390 at locus DYS456 - There is a minor allele 15 which is inconsistent with being a contributor to the overall profile. The average peak height ratio of allele 15 to allele 16 is 18.07%, exceeding the Laboratory's stutter threshold for this locus of 17.04%. The minor allele 15 is likely to be an elevated stutter.

Comments/Conclusions:

Test Number	Notes
490	19385 - GlobalFiler 19383, 19388, 19389 and 19390 – GlobalFiler and PowerPlex Fusion 6C. Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification. Sample 19388 at locus D21S11 – There is a minor allele 35, which is inconsistent with being a contributor to the overall profile. The peak height ratio of allele 35 to allele 36 is 12.25%, exceeding the Laboratory's stutter threshold for this locus of 10.69%. The minor allele 35 is likely to be an elevated stutter.
491	19383 and 19385 - GlobalFiler 19388, 19389, 19390 - GlobalFiler and PowerPlex Fusion 6C Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler Loci. PowerPlex Fusion 6C is used only for allele verification. Sample 19383 at locus D21S11 - There is a minor allele 35, which is inconsistent with being a contributor to the overall profile. The average peak height ratio of allele 35 to allele 36 is 12.14%, exceeding the Laboratory's stutter threshold for this locus at 10.69%. The minor allele 35 is likely to be an elevated stutter.
493	DNA-typing of the reference sample of victim 19388 shows a shoulder peak (allele 8) at locus D7S820. Therefore, the typing of this locus is reported as (8),8.1,11 for this reference. This (shoulder)peak at locus D7S820 is also observed in the DNA profiles of samples 19383 and 19385e. DNA-typing of allele 18 at locus D22S1045 for sample 19385e is interpreted as an artefact based on DNA-typing of 19385s and the reference samples 19388 and 19389.
499	"-" used on the STR Results tab denotes that no data was obtained at that particular loci
507	The item identified with the number 19383, and analyzed by determination of hemoglobin of human, a POSITIVE result was obtained for the presence of human blood. The item identified with the number 19384, is analyzed by of hemoglobin of human. A NEGATIVE result was obtained for the presence of human blood. The item identified with the number 19386, was analyzed by the PSA test and the Christmas tree stain, was obtained a NEGATIVE result for the presence of semen. The item identified with the number 19387 was analyzed by PSA test and the Christmas tree stain was obtained a POSITIVE result for the presence of semen.