



DNA - Blood Test No. 14-583 Summary Report

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

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

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

Manufacturer's Information

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

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

SAMPLE SET ASSEMBLY: For each sample set, all four Items (1-4) were placed in a pre-labeled sample pack envelope. The sealed sample pack envelopes were then packaged in pre-labeled Marvel Heat Seal envelopes and sealed. This process was repeated until all of the sample sets were prepared.

VERIFICATION: Laboratories that conducted predistribution analysis of the samples reported consistent results and associations.

Amelogenin and STR Results

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

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

YSTR Results

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

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

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

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

Summary Comments

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

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

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

Amplification Kit(s) & STR Results

TABLE 1

| WebCode | Item | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|---------------|------------------------------------|--|--|---------------------------------------|--|-------------------------------------|--------------------------------|
| Item 1 | | | | | | | |
| 2Q9VQB | <i>Identifiler®</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| 3NGZYW | <i>Identifiler® Direct</i> | | | | | | |
| | 1 | | 26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11 | 17 |
| 4JKX92 | <i>Identifiler®</i> | | | | | | |
| | 1 | Not Tested | 26,26 | Not Tested | 14,16 | 11,12 | 10,12 |
| | | 12,13 | Not Tested | Not Tested | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | Not Tested | X,Y | 10,11 | 20,22 |
| | | Not Tested | Not Tested | Not Tested | 6,9.3 | 11,11 | 17,17 |
| 4PLDDF | <i>Identifiler® Direct</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| 4VCJFH | <i>PowerPlex® 16 HS</i> | | | | | | |
| | 1 | | | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | 10,13 | 11,14 | | 6,9.3 | 11 | 17 |
| 4YX9U4 | <i>PowerPlex® HS</i> | | | | | | |
| | 1 | | | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | 10,13 | 11,14 | | 6,9.3 | 11,11 | 17,17 |
| 63RLUX | <i>Identifiler® Plus</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| 6EPDQ4 | <i>COfiler® and Profiler Plus®</i> | | | | | | |
| | 1 | | | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| 6Z7XGC | <i>Identifiler®</i> | | | | | | |
| | 1 | | 26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11 | 17 |

TABLE 1

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

TABLE 1

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

TABLE 1

| WebCode | Item | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|---------------|---|--|--|---------------------------------------|--|-------------------------------------|----------------------------------|
| Item 1 | | | | | | | |
| AW7F7D | <i>PowerPlex® Fusion</i> | | | | | | |
| | 1 | 11,15.3 12,13 13,17 10,13 | 26 13,14 28,32.2 11,14 | 14 18,19 11,15 | 14,16 12 X,Y 6,9.3 | 11,12 12,14 10,11 11 | 10,12 12,14 20,22 17 |
| B84H72 | <i>Identifiler®</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 12,12 X,Y 6,9.3 | 11,12 12,14 10,11 11,11 | 10,12 12,14 20,22 17,17 |
| BABVPN | <i>Identifiler®</i> | | | | | | |
| | 1 | N/A 12,13 13,17 N/A | 26,26 N/A 28,32.2 N/A | N/A N/A N/A N/A | 14,16 12,12 X,Y 6,9.3 | 11,12 12,14 10,11 11,11 | 10,12 12,14 20,22 17,17 |
| BBMK39 | <i>PowerPlex® 18D, PowerPlex® CS7 System/ AmpFISTR NGM SElect Express</i> | | | | | | |
| | 1 | 11,15.3 12,13 13,17 10,13 | 26,26 13,14 28,32.2 11,14 | 14,14 18,19 11,15 18,29.2 | 14,16 12,12 X,Y 6,9.3 | 11,12 12,14 10,11 11,11 | 10,12 12,14 20,22 17,17 |
| BDPYEY | <i>PowerPlex® Fusion, AmpFLSTR NGM-SE</i> | | | | | | |
| | 1 | 11,15.3 12,13 13,17 10,13 | 26,26 13,14 28,32.2 11,14 | 14,14 18,19 11,15 18,29.2 | 14,16 12,12 X,Y 6,9.3 | 11,12 12,14 10,11 11,11 | 10,12 12,14 20,22 17,17 |
| BGRE6G | <i>Identifiler® Plus</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 12,12 X,Y 6,9.3 | 11,12 12,14 10,11 11,11 | 10,12 12,14 20,22 17,17 |
| BZ7QYR | <i>Identifiler®</i> | | | | | | |
| | 1 | - 12,13 13,17 - | 26,26 - 28,32.2 - | - - - - | 14,16 12,12 X,Y 6,9.3 | 11,12 12,14 10,11 11,11 | 10,12 12,14 20,22 17,17 |
| C22M72 | <i>Identifiler® Plus</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 12,12 X,Y 6,9.3 | 11,12 12,14 10,11 11,11 | 10,12 12,14 20,22 17,17 |
| C9XLE3 | <i>Identifiler®</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 12,12 X,Y 6,9.3 | 11,12 12,14 10,11 11,11 | 10,12 12,14 20,22 17,17 |

TABLE 1

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

Item 1

| | | | | | | | |
|--------|------------------------------------|-------|---------|-------|-------|-------|-------|
| CD6AR4 | <i>COfiler® and Profiler Plus®</i> | | | | | | |
| | 1 | | | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | 6,9.3 | 11 | 17 | |
| CD7Y79 | <i>Identifiler® ID-Plus</i> | | | | | | |
| | 1 | - | 26,26 | - | 14,16 | 11,12 | 10,12 |
| | | 12,13 | - | - | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | - | X,Y | 10,11 | 20,22 |
| | | - | - | - | 6,9.3 | 11,11 | 17,17 |
| CFULM3 | <i>Identifiler® Plus</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | 6,9.3 | 11,11 | 17,17 | |
| CK87R3 | <i>Identifiler®</i> | | | | | | |
| | 1 | | 26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | 6,9.3 | 11 | 17 | |
| CMVQMY | <i>Identifiler® Plus</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | 6,9.3 | 11,11 | 17,17 | |
| CPHEZK | <i>Identifiler® Direct</i> | | | | | | |
| | 1 | | 26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | 6,9.3 | 11 | 17 | |
| CPXLFA | <i>Identifiler® Direct</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | 6,9.3 | 11,11 | 17,17 | |
| CR9KEP | <i>Identifiler® Plus</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | 6,9.3 | 11,11 | 17,17 | |
| CUXMMY | <i>Identifiler®</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | 6,9.3 | 11,11 | 17,17 | |

TABLE 1

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

TABLE 1

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

TABLE 1

| WebCode | Item | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|---------------|----------------------------|--|--|---------------------------------------|--|-------------------------------------|--------------------------------|
| Item 1 | | | | | | | |
| L9ZKD2 | <i>Identifiler®</i> | | | | | | |
| | 1 | | 26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11 | 17 |
| LP3FTD | <i>Identifiler® Plus</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| LPT9UR | <i>Identifiler® Plus</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| LTP47Y | <i>GlobalFiler</i> | | | | | | |
| | 1 | 11,15.3 | 26,26 | 14,14 | 14,16 | 11,12 | 10,12 |
| | | 12,13 | 13,14 | 18,19 | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | 11,15 | X,Y | 10,11 | 20,22 |
| | | | | 18,29.2 | 6,9.3 | 11,11 | 17,17 |
| M648HP | <i>Identifiler® Plus</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| M86JTV | <i>PowerPlex® Fusion</i> | | | | | | |
| | 1 | 11,15.3 | 26 | 14 | 14,16 | 11,12 | 10,12 |
| | | 12,13 | 13,14 | 18,19 | 12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | 11,15 | X,Y | 10,11 | 20,22 |
| | | 10,13 | 11,14 | | 6,9.3 | 11 | 17 |
| MQKNLE | <i>Identifiler® Direct</i> | | | | | | |
| | 1 | N/A | 26,26 | N/A | 14,16 | 11,12 | 10,12 |
| | | 12,13 | N/A | N/A | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | N/A | X,Y | 10,11 | 20,22 |
| | | N/A | N/A | N/A | 6,9.3 | 11,11 | 17,17 |
| MUGDZ2 | <i>Identifiler® Plus</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| MW7E8A | <i>Identifiler® Direct</i> | | | | | | |
| | 1 | | 26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11 | 17 |

TABLE 1

| WebCode | Item | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|----------------|---|--|--|---|--|---|--|
| Item 1 | | | | | | | |
| N4Z47P | <i>Identifiler®</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| NCV4HW | <i>PowerPlex® HS</i> | | | | | | |
| | 1 | | | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | 10,13 | 11,14 | | 6,9.3 | 11 | 17 |
| NGLH2C | <i>Identifiler® Plus</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| NRNYT3 | <i>PowerPlex® 16</i> | | | | | | |
| | 1 | | | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | 10,13 | 11,14 | | 6,9.3 | 11 | 17 |
| NTE688 | <i>Identifiler® Plus</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| NXUB8N | <i>Identifiler®</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| NXVCTL | <i>Identifiler® Plus, PowerPlex® HS</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | 10,13 | 11,14 | | 6,9.3 | 11,11 | 17,17 |
| NZ2WGL | <i>Identifiler®</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| P9BGGW | <i>Identifiler® Plus</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |

TABLE 1

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

TABLE 1

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

Item 1

| | | | | | | | |
|--------|--|-------|---------|--|--------------|----------------|----------------|
| U76R2G | <i>Identifiler®</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y 6,9.3 | 10,11 11,11 | 20,22 17,17 |
| UFBPNY | <i>Identifiler® Plus</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y 6,9.3 | 10,11 11,11 | 20,22 17,17 |
| UNRYHM | <i>PowerPlex® PowerPlex®16 HS</i> | | | | | | |
| | 1 | | | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | | 28,32.2 | | X,Y 6,9.3 | 10,11 11 | 20,22 17 |
| V37QJY | <i>PowerPlex® 16 HS</i> | | | | | | |
| | 1 | | | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | | 28,32.2 | | X,Y 6,9.3 | 10,11 11,11 | 20,22 17,17 |
| V3HKYY | <i>COfiler® and Profiler Plus®, PowerPlex® 16 HS</i> | | | | | | |
| | 1 | | | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | | 28,32.2 | | X,Y 6,9.3 | 10,11 11,11 | 20,22 17,17 |
| VD4W76 | <i>Identifiler® Plus</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y 6,9.3 | 10,11 11,11 | 20,22 17,17 |
| VFPPKQ | <i>Identifiler®</i> | | | | | | |
| | 1 | | 26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y 6,9.3 | 10,11 11 | 20,22 17 |
| VR3HVL | <i>Identifiler® Plus</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y 6,9.3 | 10,11 11,11 | 20,22 17,17 |
| WN3R6Z | <i>Identifiler® Plus</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y 6,9.3 | 10,11 11,11 | 20,22 17,17 |

TABLE 1

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

Item 1

| | | | | | | | |
|--------|---|---|---------|---------|-------|-------|-------|
| WZMRGF | 1 | <i>Identifiler® Plus, PowerPlex® Fusion, NGM SElect</i> | | | | | |
| | | 11,15.3 | 26,26 | 14,14 | 14,16 | 11,12 | 10,12 |
| | | 12,13 | 13,14 | 18,19 | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | 11,15 | X,Y | 10,11 | 20,22 |
| | | 10,13 | 11,14 | 18,29.2 | 6,9.3 | 11,11 | 17,17 |
| X2H8PC | 1 | <i>Identifiler®</i> | | | | | |
| | | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | 6,9.3 | 11,11 | 17,17 | |
| X49BHH | 1 | <i>Identifiler® Plus</i> | | | | | |
| | | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | 6,9.3 | 11,11 | 17,17 | |
| X49LY8 | 1 | <i>Identifiler® Plus</i> | | | | | |
| | | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | 6,9.3 | 11,11 | 17,17 | |
| X9KD7Z | 1 | <i>Identifiler® ID-Direct</i> | | | | | |
| | | | 26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | 6,9.3 | 11 | 17 | |
| XU3N8X | 1 | <i>PowerPlex® HS</i> | | | | | |
| | | | | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | 10,13 | 11,14 | | 6,9.3 | 11,11 | 17,17 |
| XVFBPC | 1 | <i>Identifiler® Plus</i> | | | | | |
| | | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | 6,9.3 | 11,11 | 17,17 | |
| XXEHYN | 1 | <i>Identifiler®</i> | | | | | |
| | | | 26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | 6,9.3 | 11 | 17 | |
| Y7UCYQ | 1 | <i>Identifiler® Plus</i> | | | | | |
| | | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | 6,9.3 | 11,11 | 17,17 | |

TABLE 1

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

Item 1

| | | | | | | | |
|--------|---------------------------------------|-------|---------|--|-------|-------|-------|
| Z4Z6TK | <i>PowerPlex® 18D</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | 10,13 | 11,14 | | 6,9.3 | 11,11 | 17,17 |
| ZK8649 | <i>Identifiler®</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| ZPFMZ | <i>Identifiler® ,Identifiler Plus</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| ZZ3NGQ | <i>Identifiler® Plus</i> | | | | | | |
| | 1 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |

TABLE 1

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

TABLE 1

| WebCode | Item | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|---------------|-----------------------------|--|--|---------------------------------------|--|-------------------------------------|-----------------------------------|
| Item 2 | | | | | | | |
| 776Q4D | PowerPlex® Fusion | | | | | | |
| | 2 | 15,3,16 8,14 13 11,12 | 18,20 14,15 30.2,31.2 7 | 10,14 15,23 11 | 16 10,12 X,Y 6 | 10,11 11,12 11,12 8,11 | 8,12 12,19 21,23.2 17,18 |
| 78CRN6 | NGM Select | | | | | | |
| | 2 | 15,3,16 8,14 13,13 | 18,20 14,15 30.2,31.2 | 10,14 15,23 11,11 14,19 | 16,16 X,Y 6,6 | 11,12 | 12,19 21,23.2 17,18 |
| 7GAMDA | COfiler® and Profiler Plus® | | | | | | |
| | 2 | 8,14 | 30.2,31.2 | | 16,16 10,12 X,Y | 10,11 | 8,12 12,19 21,23.2 17,18 |
| 7PJ4YN | Identifiler® Plus | | | | | | |
| | 2 | 8,14 13,13 | 18,20 30.2,31.2 | | 16,16 10,12 X,Y 6,6 | 10,11 11,12 11,12 8,11 | 8,12 12,19 21,23.2 17,18 |
| 7ZHWBL | PowerPlex® 16 | | | | | | |
| | 2 | 8,14 11,12 | 30.2,31.2 7 | | 16 10,12 X,Y 6 | 10,11 11,12 11,12 8,11 | 8,12 12,19 21,23.2 17,18 |
| 83K43D | Identifiler® Plus | | | | | | |
| | 2 | 8,14 13 | 18,20 30.2,31.2 | | 16 10,12 X,Y 6 | 10,11 11,12 11,12 8,11 | 8,12 12,19 21,23.2 17,18 |
| 84D8FK | Identifiler® Plus | | | | | | |
| | 2 | 8,14 13,13 | 18,20 30.2,31.2 | | 16,16 10,12 X,Y 6,6 | 10,11 11,12 11,12 8,11 | 8,12 12,19 21,23.2 17,18 |
| 8749MT | Identifiler® | | | | | | |
| | 2 | N/A 8,14 13,13 N/A | 18,20 N/A 30.2,31.2 N/A | N/A N/A N/A N/A | 16,16 10,12 X,Y 6,6 | 10,11 11,12 11,12 8,11 | 8,12 12,19 21,23.2 17,18 |
| 8EXEGU | Identifiler® | | | | | | |
| | 2 | N/A 8,14 13,13 N/A | 18,20 N/A 30.2,31.2 N/A | N/A N/A N/A N/A | 16,16 10,12 X,Y 6,6 | 10,11 11,12 11,12 8,11 | 8,12 12,19 21,23.2 17,18 |

TABLE 1

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

Item 2

| | | | | | | | | |
|--------|---------------------|---|---------|-----------|-------|-------|-------|---------|
| 8K42D6 | Identifiler® Plus | 2 | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 | |
| | | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 | |
| 8PGTJW | Identifiler® Direct | 2 | N/A | 18,20 | N/A | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | N/A | N/A | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | N/A | X,Y | 11,12 | 21,23.2 |
| | | | N/A | N/A | N/A | 6,6 | 8,11 | 17,18 |
| 8RMD8W | Identifiler® Direct | 2 | N/A | 18,20 | N/A | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | N/A | N/A | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | N/A | X,Y | 11,12 | 21,23.2 |
| | | | N/A | N/A | N/A | 6,6 | 8,11 | 17,18 |
| 8TEAYC | Identifiler® | 2 | 18,20 | | 16 | 10,11 | 8,12 | |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 | |
| | | | 13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6 | 8,11 | 17,18 | |
| 9BRFGL | Identifiler® Plus | 2 | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 | |
| | | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 | |
| 9VWXP3 | Identifiler® | 2 | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 | |
| | | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 | |
| A3XMQ8 | Identifiler® | 2 | 18,20 | | 16 | 10,11 | 8,12 | |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 | |
| | | | 13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6 | 8,11 | 17,18 | |
| A9ZJQ8 | PowerPlex® Fusion | 2 | 15.3,16 | 18,20 | 10,14 | 16 | 10,11 | 8,12 |
| | | | 8,14 | 14,15 | 15,23 | 10,12 | 11,12 | 12,19 |
| | | | 13 | 30.2,31.2 | 11 | X,Y | 11,12 | 21,23.2 |
| | | | 11,12 | 7 | | 6 | 8,11 | 17,18 |
| AVHLQX | Identifiler® | 2 | 18,20 | | 16 | 10,11 | 8,12 | |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 | |
| | | | 13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6 | 8,11 | 17,18 | |

TABLE 1

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

Item 2

| | | | | | | | | |
|--------|--|---|---------|-----------|-------|-------|-------|---------|
| AW7F7D | PowerPlex® Fusion | 2 | 15.3,16 | 18,20 | 10,14 | 16 | 10,11 | 8,12 |
| | | | 8,14 | 14,15 | 15,23 | 10,12 | 11,12 | 12,19 |
| | | | 13 | 30.2,31.2 | 11 | X,Y | 11,12 | 21,23.2 |
| | | | 11,12 | 7 | | 6 | 8,11 | 17,18 |
| B84H72 | Identifiler® | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | | 6,6 | 8,11 | 17,18 |
| BABVPN | Identifiler® | 2 | N/A | 18,20 | N/A | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | N/A | N/A | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | N/A | X,Y | 11,12 | 21,23.2 |
| | | | N/A | N/A | N/A | 6,6 | 8,11 | 17,18 |
| BBMK39 | PowerPlex® 18D, PowerPlex® CS7 System/ AmpFISTR NGM SElect Express | 2 | 15.3,16 | 18,20 | 10,14 | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | 14,15 | 15,23 | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | 11,11 | X,Y | 11,12 | 21,23.2 |
| | | | 11,12 | 7,7 | 14,19 | 6,6 | 8,11 | 17,18 |
| BDPYEY | PowerPlex® Fusion, AmpFLSTR NGM-SE | 2 | 15.3,16 | 18,20 | 10,14 | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | 14,15 | 15,23 | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | 11,11 | X,Y | 11,12 | 21,23.2 |
| | | | 11,12 | 7,7 | 14,19 | 6,6 | 8,11 | 17,18 |
| BGRE6G | Identifiler® Plus | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | | 6,6 | 8,11 | 17,18 |
| BZ7QYR | Identifiler® | 2 | - | 18,20 | - | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | - | - | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | - | X,Y | 11,12 | 21,23.2 |
| | | | - | - | - | 6,6 | 8,11 | 17,18 |
| C22M72 | Identifiler® Plus | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | | 6,6 | 8,11 | 17,18 |
| C9XLE3 | Identifiler® | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | | 6,6 | 8,11 | 17,18 |

TABLE 1

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

Item 2

| | | | | | | | |
|--------|-----------------------------|-------|-----------|---|-------|-------|---------|
| CD6AR4 | COfiler® and Profiler Plus® | | | | | | |
| | 2 | | | | 16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6 | 8,11 | 17,18 |
| CD7Y79 | Identifiler® ID-Plus | | | | | | |
| | 2 | - | 18,20 | - | 16,16 | 10,11 | 8,12 |
| | | 8,14 | - | - | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | - | X,Y | 11,12 | 21,23.2 |
| | | - | - | - | 6,6 | 8,11 | 17,18 |
| CFULM3 | Identifiler® Plus | | | | | | |
| | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| CK87R3 | Identifiler® | | | | | | |
| | 2 | | 18,20 | | 16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6 | 8,11 | 17,18 |
| CMVQMY | Identifiler® Plus | | | | | | |
| | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| CPHEZK | Identifiler® Direct | | | | | | |
| | 2 | | 18,20 | | 16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6 | 8,11 | 17,18 |
| CPXLFA | Identifiler® Direct | | | | | | |
| | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| CR9KEP | Identifiler® Plus | | | | | | |
| | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| CUXMMY | Identifiler® | | | | | | |
| | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |

TABLE 1

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

Item 2

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

TABLE 1

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

Item 2

| | | | | | | | | |
|--------|--------------------------------|---|-------|-----------|-------|-------|---------|---------|
| GYTA62 | PowerPlex® 18D | 2 | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 | |
| | | | 13,13 | 30.2,31.2 | X,Y | 11,12 | 21,23.2 | |
| | | | 11,12 | 7,7 | 6,6 | 8,11 | 17,18 | |
| H4J4DL | Identifiler® | 2 | 18,20 | | 16 | 10,11 | 8,12 | |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 | |
| | | | 13 | 30.2,31.2 | X,Y | 11,12 | 21,23.2 | |
| | | | | | 6 | 8,11 | 17,18 | |
| HB4ZM3 | PowerPlex® PowerPlex® 16 HS | 2 | | | 16 | 10,11 | 8,12 | |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 | |
| | | | | 30.2,31.2 | X,Y | 11,12 | 21,23.2 | |
| | | | 11,12 | 7 | 6 | 8,11 | 17,18 | |
| HBE26V | Identifiler® ,Identifiler Plus | 2 | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 | |
| | | | 13,13 | 30.2,31.2 | X,Y | 11,12 | 21,23.2 | |
| | | | | | 6,6 | 8,11 | 17,18 | |
| J2TZKE | Identifiler® Plus | 2 | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 | |
| | | | 13,13 | 30.2,31.2 | X,Y | 11,12 | 21,23.2 | |
| | | | | | 6,6 | 8,11 | 17,18 | |
| JFNJWW | Identifiler® Direct | 2 | - | 18,20 | - | 16 | 10,11 | 8,12 |
| | | | 8,14 | - | - | 10,12 | 11,12 | 12,19 |
| | | | 13 | 30.2,31.2 | - | X,Y | 11,12 | 21,23.2 |
| | | | - | - | - | 6 | 8,11 | 17,18 |
| JWG6TN | Identifiler® Plus | 2 | 18,20 | | 16 | 10,11 | 8,12 | |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 | |
| | | | 13 | 30.2,31.2 | X,Y | 11,12 | 21,23.2 | |
| | | | | | 6 | 8,11 | 17,18 | |
| JY3VR8 | Identifiler® Plus | 2 | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 | |
| | | | 13,13 | 30.2,31.2 | X,Y | 11,12 | 21,23.2 | |
| | | | | | 6,6 | 8,11 | 17,18 | |
| KRXEVR | Identifiler® | 2 | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 | |
| | | | 13,13 | 30.2,31.2 | X,Y | 11,12 | 21,23.2 | |
| | | | | | 6,6 | 8,11 | 17,18 | |

TABLE 1

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

Item 2

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|--------|----------------------------|-------|-----------|-------|-------|-------|---------|---------|
| L9ZKD2 | <i>Identifiler®</i> | 2 | 18,20 | | 16 | 10,11 | 8,12 | |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 | |
| | | 13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 | |
| | | | | | 6 | 8,11 | 17,18 | |
| LP3FTD | <i>Identifiler® Plus</i> | 2 | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 | |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 | |
| | | | | | 6,6 | 8,11 | 17,18 | |
| LPT9UR | <i>Identifiler® Plus</i> | 2 | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 | |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 | |
| | | | | | 6,6 | 8,11 | 17,18 | |
| LTP47Y | <i>GlobalFiler</i> | 2 | 15.3,16 | 18,20 | 10,14 | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | 14,15 | 15,23 | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | 11,11 | X,Y | 11,12 | 21,23.2 |
| | | | | | 14,19 | 6,6 | 8,11 | 17,18 |
| M648HP | <i>Identifiler® Plus</i> | 2 | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 | |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 | |
| | | | | | 6,6 | 8,11 | 17,18 | |
| M86JTV | <i>PowerPlex® Fusion</i> | 2 | 15.3,16 | 18,20 | 10,14 | 16 | 10,11 | 8,12 |
| | | 8,14 | | 14,15 | 15,23 | 10,12 | 11,12 | 12,19 |
| | | 13 | 30.2,31.2 | | 11 | X,Y | 11,12 | 21,23.2 |
| | | 11,12 | 7 | | | 6 | 8,11 | 17,18 |
| MQKNLE | <i>Identifiler® Direct</i> | 2 | N/A | 18,20 | N/A | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | N/A | N/A | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | N/A | X,Y | 11,12 | 21,23.2 |
| | | N/A | N/A | | N/A | 6,6 | 8,11 | 17,18 |
| MUGDZ2 | <i>Identifiler® Plus</i> | 2 | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 | |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 | |
| | | | | | 6,6 | 8,11 | 17,18 | |
| MW7E8A | <i>Identifiler® Direct</i> | 2 | 18,20 | | 16 | 10,11 | 8,12 | |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 | |
| | | 13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 | |
| | | | | | 6 | 8,11 | 17,18 | |

TABLE 1

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

Item 2

| | | | | | | | |
|--------|---|---|-------|-----------|-------|-------|---------|
| N4Z47P | <i>Identifiler®</i> | 2 | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| NCV4HW | <i>PowerPlex® HS</i> | 2 | | | 16 | 10,11 | 8,12 |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 |
| | | | | 30.2,31.2 | X,Y | 11,12 | 21,23.2 |
| | | | 11,12 | 7 | 6 | 8,11 | 17,18 |
| NGLH2C | <i>Identifiler® Plus</i> | 2 | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| NRNYT3 | <i>PowerPlex® 16</i> | 2 | | | 16 | 10,11 | 8,12 |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 |
| | | | | 30.2,31.2 | X,Y | 11,12 | 21,23.2 |
| | | | 11,12 | 7 | 6 | 8,11 | 17,18 |
| NTE688 | <i>Identifiler® Plus</i> | 2 | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| NXUB8N | <i>Identifiler®</i> | 2 | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| NXVCTL | <i>Identifiler® Plus, PowerPlex® HS</i> | 2 | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | X,Y | 11,12 | 21,23.2 |
| | | | 11,12 | 7,7 | 6,6 | 8,11 | 17,18 |
| NZ2WGL | <i>Identifiler®</i> | 2 | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| P9BGGW | <i>Identifiler® Plus</i> | 2 | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |

TABLE 1

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

Item 2

| | | | | | | | | |
|--------|--|------------|------------|------------|-------|-------|---------|--|
| PD7BEX | <i>Identifiler® Plus</i> | | | | | | | |
| | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 | |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 | |
| | | | | 6,6 | 8,11 | 17,18 | | |
| PPXWKT | <i>PowerPlex® 18D</i> | | | | | | | |
| | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 | |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 | |
| | | | 7,7 | 6,6 | 8,11 | 17,18 | | |
| PTEGAU | <i>PowerPlex® PowerPlex® 16 HS</i> | | | | | | | |
| | 2 | | | | 16 | 10,11 | 8,12 | |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 | |
| | | | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 | |
| | | | 7 | 6 | 8,11 | 17,18 | | |
| R9KA9G | <i>Identifiler® , Identifiler Plus</i> | | | | | | | |
| | 2 | | 18,20 | | 16 | 10,11 | 8,12 | |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 | |
| | | 13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 | |
| | | | | 6 | 8,11 | 17,18 | | |
| RMHEGE | <i>Identifiler®</i> | | | | | | | |
| | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 | |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 | |
| | | | | 6,6 | 8,11 | 17,18 | | |
| RPLEBJ | <i>Identifiler® Direct</i> | | | | | | | |
| | 2 | - | 18,20 | - | 16 | 10,11 | 8,12 | |
| | | 8,14 | - | - | 10,12 | 11,12 | 12,19 | |
| | | 13 | 30.2,31.2 | - | X,Y | 11,12 | 21,23.2 | |
| | | | - | 6 | 8,11 | 17,18 | | |
| RXV38L | <i>Identifiler® Plus, NGM-SE</i> | | | | | | | |
| | 2 | 15.3,16 | 18,20 | 10,14 | 16,16 | 10,11 | 8,12 | |
| | | 8,14 | 14,15 | 15,23 | 10,12 | 11,12 | 12,19 | |
| | | 13,13 | 30.2,31.2 | 11,11 | X,Y | 11,12 | 21,23.2 | |
| | | | 14,19 | 6,6 | 8,11 | 17,18 | | |
| TDU3H7 | <i>Identifiler®</i> | | | | | | | |
| | 2 | Not Tested | 18,20 | Not Tested | 16,16 | 10,11 | 8,12 | |
| | | 8,14 | Not Tested | Not Tested | 10,12 | 11,12 | 12,19 | |
| | | 13,13 | 30.2,31.2 | Not Tested | X,Y | 11,12 | 21,23.2 | |
| | Not Tested | Not Tested | Not Tested | 6,6 | 8,11 | 17,18 | | |
| TEK9WB | <i>PowerPlex® 21</i> | | | | | | | |
| | 2 | 15.3,16 | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | 8,14 | | 15,23 | 10,12 | 11,12 | 12,19 | |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 | |
| | | | | 6,6 | 8,11 | 17,18 | | |
| | | 7,7 | | | | | | |

TABLE 1

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

TABLE 1

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

Item 2

| | | | | | | | | |
|--------|--|---|---------|-----------|-------|-------|-------|---------|
| WZMRGF | Identifiler® Plus, PowerPlex® Fusion, NGM Select | 2 | 15.3,16 | 18,20 | 10,14 | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | 14,15 | 15,23 | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | 11,11 | X,Y | 11,12 | 21,23.2 |
| | | | 11,12 | 7,7 | 14,19 | 6,6 | 8,11 | 17,18 |
| X2H8PC | Identifiler® | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | | 6,6 | 8,11 | 17,18 |
| X49BHH | Identifiler® Plus | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | | 6,6 | 8,11 | 17,18 |
| X49LY8 | Identifiler® Plus | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | | 6,6 | 8,11 | 17,18 |
| X9KD7Z | Identifiler® ID-Direct | 2 | | 18,20 | | 16 | 10,11 | 8,12 |
| | | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | | 13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | | 6 | 8,11 | 17,18 |
| XU3N8X | PowerPlex® HS | 2 | | | | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | | | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | 11,12 | 7,7 | | 6,6 | 8,11 | 17,18 |
| XVFBPC | Identifiler® Plus | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | | 6,6 | 8,11 | 17,18 |
| XXEHYN | Identifiler® | 2 | | 18,20 | | 16 | 10,11 | 8,12 |
| | | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | | 13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | | 6 | 8,11 | 17,18 |
| Y7UCYQ | Identifiler® Plus | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | | 6,6 | 8,11 | 17,18 |

TABLE 1

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

Item 2

| | | | | | | | |
|--------|--|-------|-----------|--|-------|-------|---------|
| Z4Z6TK | <i>PowerPlex® 18D</i> | | | | | | |
| | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | 11,12 | 7,7 | | 6,6 | 8,11 | 17,18 |
| ZK8649 | <i>Identifiler®</i> | | | | | | |
| | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| ZPFMZ | <i>Identifiler® , Identifiler Plus</i> | | | | | | |
| | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| ZZ3NGQ | <i>Identifiler® Plus</i> | | | | | | |
| | 2 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |

TABLE 1

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

Item 3

| | | | | | | | |
|--------|------------------------------------|------------|------------|------------|-------|-------|-------|
| 4JKX92 | <i>Identifiler®</i> | | | | | | |
| | 3 | Not Tested | 26,26 | Not Tested | 14,16 | 11,12 | 10,12 |
| | | 12,13 | Not Tested | Not Tested | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | Not Tested | X,Y | 10,11 | 20,22 |
| | Not Tested | Not Tested | Not Tested | 6,9.3 | 11,11 | 17,17 | |
| 4PLDDF | <i>Identifiler® Plus</i> | | | | | | |
| | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | 6,9.3 | 11,11 | 17,17 | |
| 4VCJFH | <i>PowerPlex® 16 HS</i> | | | | | | |
| | 3 | | | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | 10,13 | 11,14 | | 6,9.3 | 11 | 17 | |
| 63RLUX | <i>Identifiler® Plus</i> | | | | | | |
| | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | 6,9.3 | 11,11 | 17,17 | |
| 6EPDQ4 | <i>COfiler® and Profiler Plus®</i> | | | | | | |
| | 3 | | | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | 6,9.3 | 11,11 | 17,17 | |
| 776Q4D | <i>PowerPlex® Fusion</i> | | | | | | |
| | 3 | 11,15.3 | 26 | 14 | 14,16 | 11,12 | 10,12 |
| | | 12,13 | 13,14 | 18,19 | 12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | 11,15 | X,Y | 10,11 | 20,22 |
| | 10,13 | 11,14 | | 6,9.3 | 11 | 17 | |
| 78CRN6 | <i>NGM SElect</i> | | | | | | |
| | 3 | 11,15.3 | 26,26 | 14,14 | 14,16 | | |
| | | 12,13 | 13,14 | 18,19 | | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | 11,15 | X,Y | | 20,22 |
| | | | 18,29.2 | 6,9.3 | | 17,17 | |
| 7GAMDA | <i>COfiler® and Profiler Plus®</i> | | | | | | |
| | 3 | | | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | | 12,14 |
| | | | 28,32.2 | | X,Y | | 20,22 |
| | | | | | | 17,17 | |
| 7PJ4YN | <i>Identifiler® Plus</i> | | | | | | |
| | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | 6,9.3 | 11,11 | 17,17 | |

TABLE 1

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

Item 3

| | | | | | | | | |
|--------|--------------------------|---|---------|---------|-------|-------|-------|-------|
| 83K43D | <i>Identifiler® Plus</i> | 3 | 26 | | 14,16 | 11,12 | 10,12 | |
| | | | 12,13 | | 12 | 12,14 | 12,14 | |
| | | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11 | 17 | |
| 84D8FK | <i>Identifiler® Plus</i> | 3 | 26,26 | | 14,16 | 11,12 | 10,12 | |
| | | | 12,13 | | 12,12 | 12,14 | 12,14 | |
| | | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 | |
| 8749MT | <i>Identifiler®</i> | 3 | N/A | 26,26 | N/A | 14,16 | 11,12 | |
| | | | 12,13 | N/A | N/A | 12,12 | 12,14 | 12,14 |
| | | | 13,17 | 28,32.2 | N/A | X,Y | 10,11 | 20,22 |
| | | | N/A | N/A | N/A | 6,9.3 | 11,11 | 17,17 |
| 8EXEGU | <i>Identifiler®</i> | 3 | N/A | 26,26 | N/A | 14,16 | 11,12 | |
| | | | 12,13 | N/A | N/A | 12,12 | 12,14 | 12,14 |
| | | | 13,17 | 28,32.2 | N/A | X,Y | 10,11 | 20,22 |
| | | | N/A | N/A | N/A | 6,9.3 | 11,11 | 17,17 |
| 8K42D6 | <i>Identifiler® Plus</i> | 3 | 26,26 | | 14,16 | 11,12 | 10,12 | |
| | | | 12,13 | | 12,12 | 12,14 | 12,14 | |
| | | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 | |
| 8PGTJW | <i>Identifiler®</i> | 3 | N/A | 26,26 | N/A | 14,16 | 11,12 | |
| | | | 12,13 | N/A | N/A | 12,12 | 12,14 | 12,14 |
| | | | 13,17 | 28,32.2 | N/A | X,Y | 10,11 | 20,22 |
| | | | N/A | N/A | N/A | 6,9.3 | 11,11 | 17,17 |
| 8RMD8W | <i>Identifiler®</i> | 3 | N/A | 26,26 | N/A | 14,16 | 11,12 | |
| | | | 12,13 | N/A | N/A | 12,12 | 12,14 | 12,14 |
| | | | 13,17 | 28,32.2 | N/A | X,Y | 10,11 | 20,22 |
| | | | N/A | N/A | N/A | 6,9.3 | 11,11 | 17,17 |
| 9BRFGL | <i>Identifiler® Plus</i> | 3 | 26,26 | | 14,16 | 11,12 | 10,12 | |
| | | | 12,13 | | 12,12 | 12,14 | 12,14 | |
| | | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 | |
| A9ZJQ8 | <i>PowerPlex® Fusion</i> | 3 | 11,15.3 | 26 | 14 | 14,16 | 11,12 | 10,12 |
| | | | 12,13 | 13,14 | 18,19 | 12 | 12,14 | 12,14 |
| | | | 13,17 | 28,32.2 | 11,15 | X,Y | 10,11 | 20,22 |
| | | | 10,13 | 11,14 | | 6,9.3 | 11 | 17 |
| | | | | | | | | |

TABLE 1

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

TABLE 1

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

Item 3

| | | | | | | | | |
|--------|-----------------------------|---|-------|---------|---|-------|-------|-------|
| CD7Y79 | <i>Identifiler® ID-Plus</i> | 3 | - | 26,26 | - | 14,16 | 11,12 | 10,12 |
| | | | 12,13 | - | - | 12,12 | 12,14 | 12,14 |
| | | | 13,17 | 28,32.2 | - | X,Y | 10,11 | 20,22 |
| | | | - | - | - | 6,9.3 | 11,11 | 17,17 |
| CFULM3 | <i>Identifiler® Plus</i> | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | | 6,9.3 | 11,11 | 17,17 |
| CK87R3 | <i>Identifiler®</i> | 3 | | 26 | | 14,16 | 11,12 | 10,12 |
| | | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | | 6,9.3 | 11 | 17 |
| CMVQMY | <i>Identifiler® Plus</i> | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | | 6,9.3 | 11,11 | 17,17 |
| CPXLFA | <i>Identifiler® Plus</i> | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | | 6,9.3 | 11,11 | 17,17 |
| CR9KEP | <i>Identifiler® Plus</i> | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | | 6,9.3 | 11,11 | 17,17 |
| CUXMMY | <i>Identifiler®</i> | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | | 6,9.3 | 11,11 | 17,17 |
| DMRDTB | <i>Identifiler® Plus</i> | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | | 6,9.3 | 11,11 | 17,17 |
| EC6XY8 | <i>Identifiler® Plus</i> | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | | 6,9.3 | 11,11 | 17,17 |

TABLE 1

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

Item 3

| | | | | | | | |
|--------|---------------------------------------|-------|---------|---|--------------|----------------|----------------|
| EX9J3K | <i>Identifiler® Plus</i> | | | | | | |
| | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y 6,9.3 | 10,11 11,11 | 20,22 17,17 |
| EZBGCR | <i>Identifiler® Plus</i> | | | | | | |
| | 3 | | 26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y 6,9.3 | 10,11 11 | 20,22 17 |
| GMDKZ4 | <i>Identifiler® Plus</i> | | | | | | |
| | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y 6,9.3 | 10,11 11,11 | 20,22 17,17 |
| H4J4DL | <i>Identifiler®</i> | | | | | | |
| | 3 | | 26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y 6,9.3 | 10,11 11 | 20,22 17 |
| HB4ZM3 | <i>PowerPlex® PowerPlex® 16 HS</i> | | | | | | |
| | 3 | | | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | | 28,32.2 | | X,Y 6,9.3 | 10,11 11 | 20,22 17 |
| HBE26V | <i>Identifiler® ,Identifiler Plus</i> | | | | | | |
| | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y 6,9.3 | 10,11 11,11 | 20,22 17,17 |
| J2TZKE | <i>Identifiler® Plus</i> | | | | | | |
| | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y 6,9.3 | 10,11 11,11 | 20,22 17,17 |
| JFNJWW | <i>Identifiler® Plus</i> | | | | | | |
| | 3 | - | 26 | - | 14,16 | 11,12 | 10,12 |
| | | 12,13 | - | - | 12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | - | X,Y 6,9.3 | 10,11 11 | 20,22 17 |
| JWG6TN | <i>Identifiler® Plus</i> | | | | | | |
| | 3 | | 26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y 6,9.3 | 10,11 11 | 20,22 17 |

TABLE 1

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

Item 3

| | | | | | | | | |
|--------|--------------------------|---|---------|---------|---------|-------|-------|-------|
| JY3VR8 | <i>Identifiler® Plus</i> | 3 | 26,26 | | 14,16 | 11,12 | 10,12 | |
| | | | 12,13 | | 12,12 | 12,14 | 12,14 | |
| | | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 | |
| KRXEVR | <i>Identifiler®</i> | 3 | 26,26 | | 14,16 | 11,12 | 10,12 | |
| | | | 12,13 | | 12,12 | 12,14 | 12,14 | |
| | | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 | |
| L9ZKD2 | <i>Identifiler®</i> | 3 | 26 | | 14,16 | 11,12 | 10,12 | |
| | | | 12,13 | | 12 | 12,14 | 12,14 | |
| | | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11 | 17 | |
| LP3FTD | <i>Identifiler® Plus</i> | 3 | 26,26 | | 14,16 | 11,12 | 10,12 | |
| | | | 12,13 | | 12,12 | 12,14 | 12,14 | |
| | | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 | |
| LPT9UR | <i>Identifiler® Plus</i> | 3 | 26,26 | | 14,16 | 11,12 | 10,12 | |
| | | | 12,13 | | 12,12 | 12,14 | 12,14 | |
| | | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 | |
| LTP47Y | <i>GlobalFiler</i> | 3 | 11,15.3 | 26,26 | 14,14 | 14,16 | 11,12 | 10,12 |
| | | | 12,13 | 13,14 | 18,19 | 12,12 | 12,14 | 12,14 |
| | | | 13,17 | 28,32.2 | 11,15 | X,Y | 10,11 | 20,22 |
| | | | | | 18,29.2 | 6,9.3 | 11,11 | 17,17 |
| M648HP | <i>Identifiler® Plus</i> | 3 | 26,26 | | 14,16 | 11,12 | 10,12 | |
| | | | 12,13 | | 12,12 | 12,14 | 12,14 | |
| | | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 | |
| M86JTV | <i>PowerPlex® Fusion</i> | 3 | 11,15.3 | 26 | 14 | 14,16 | 11,12 | 10,12 |
| | | | 12,13 | 13,14 | 18,19 | 12 | 12,14 | 12,14 |
| | | | 13,17 | 28,32.2 | 11,15 | X,Y | 10,11 | 20,22 |
| | | | 10,13 | 11,14 | | 6,9.3 | 11 | 17 |
| MQKNLE | <i>Identifiler®</i> | 3 | N/A | 26,26 | N/A | 14,16 | 11,12 | 10,12 |
| | | | 12,13 | N/A | N/A | 12,12 | 12,14 | 12,14 |
| | | | 13,17 | 28,32.2 | N/A | X,Y | 10,11 | 20,22 |
| | | | N/A | N/A | N/A | 6,9.3 | 11,11 | 17,17 |

TABLE 1

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

Item 3

| | | | | | | | |
|--------|------------------------------------|-------|---------|---|-------|-------|-------|
| MUGDZ2 | <i>Identifiler® Plus</i> | | | | | | |
| | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| NCV4HW | <i>PowerPlex® HS</i> | | | | | | |
| | 3 | | | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | 10,13 | 11,14 | | 6,9.3 | 11 | 17 |
| NGLH2C | <i>Identifiler® Plus</i> | | | | | | |
| | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| NTE688 | <i>Identifiler® Plus</i> | | | | | | |
| | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| NXUB8N | <i>Identifiler®</i> | | | | | | |
| | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| P9BGGW | <i>Identifiler® Plus</i> | | | | | | |
| | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| PD7BEX | <i>Identifiler® Plus</i> | | | | | | |
| | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| PTEGAU | <i>PowerPlex® PowerPlex® 16 HS</i> | | | | | | |
| | 3 | | | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12 | 12,14 | 12,14 |
| | | | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | 10,13 | 11,14 | | 6,9.3 | 11 | 17 |
| RPLEBJ | <i>Identifiler® Plus</i> | | | | | | |
| | 3 | - | 26 | - | 14,16 | 11,12 | 10,12 |
| | | 12,13 | - | - | 12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | - | X,Y | 10,11 | 20,22 |
| | | - | - | - | 6,9.3 | 11 | 17 |

TABLE 1

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

Item 3

| | | | | | | | |
|--------|------------------------------------|--|--|--|--------------------------------|----------------------------------|----------------------------------|
| RXV38L | <i>Identifiler® Plus, NGM-SE</i> | | | | | | |
| | 3 | 11,15.3 12,13 13,17 | 26,26 13,14 28,32.2 | 14,14 18,19 11,15 18,29.2 | 14,16 12,12 X,Y 6,9.3 | 11,12 12,14 10,11 11,11 | 10,12 12,14 20,22 17,17 |
| TDU3H7 | <i>Identifiler®</i> | | | | | | |
| | 3 | Not Tested 12,13 13,17 Not Tested | 26,26 Not Tested 28,32.2 Not Tested | Not Tested Not Tested Not Tested Not Tested | 14,16 12,12 X,Y 6,9.3 | 11,12 12,14 10,11 11,11 | 10,12 12,14 20,22 17,17 |
| TEK9WB | <i>PowerPlex® 21</i> | | | | | | |
| | 3 | 11,15.3 12,13 13,17 10,13 | 26,26 28,32.2 11,14 | 18,19 | 14,16 12,12 X,Y 6,9.3 | 11,12 12,14 10,11 11,11 | 10,12 12,14 20,22 17,17 |
| UFBPNY | <i>Identifiler® Plus</i> | | | | | | |
| | 3 | 12,13 13,17 | 26,26 28,32.2 | | 14,16 12,12 X,Y 6,9.3 | 11,12 12,14 10,11 11,11 | 10,12 12,14 20,22 17,17 |
| UNRYHM | <i>COfiler® and Profiler Plus®</i> | | | | | | |
| | 3 | 12,13 | 28,32.2 | | 14,16 12 X,Y 6,9.3 | 11,12 12,14 10,11 11 | 10,12 12,14 20,22 17 |
| V37QJY | <i>COfiler® and Profiler Plus®</i> | | | | | | |
| | 3 | 12,13 | 28,32.2 | | 14,16 12,12 X,Y 6,9.3 | 11,12 12,14 10,11 11,11 | 10,12 12,14 20,22 17,17 |
| V3HKYY | <i>COfiler® and Profiler Plus®</i> | | | | | | |
| | 3 | 12,13 | 28,32.2 | | 14,16 12,12 X,Y 6,9.3 | 11,12 12,14 10,11 11,11 | 10,12 12,14 20,22 17,17 |
| VD4W76 | <i>Identifiler® Plus</i> | | | | | | |
| | 3 | 12,13 13,17 | 26,26 28,32.2 | | 14,16 12,12 X,Y 6,9.3 | 11,12 12,14 10,11 11,11 | 10,12 12,14 20,22 17,17 |
| VFPKKQ | <i>Identifiler®</i> | | | | | | |
| | 3 | 12,13 13,17 | 26 28,32.2 | | 14,16 12 X,Y 6,9.3 | 11,12 12,14 10,11 11 | 10,12 12,14 20,22 17 |

TABLE 1

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

TABLE 1

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

Item 3

| | | | | | | | |
|--------|--|-------|---------|--|-------|-------|-------|
| Y7UCYQ | <i>Identifiler® Plus</i> | | | | | | |
| | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| ZK8649 | <i>Identifiler®</i> | | | | | | |
| | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| ZPFMZ | <i>Identifiler® , Identifiler Plus</i> | | | | | | |
| | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |
| ZZ3NGQ | <i>Identifiler® Plus</i> | | | | | | |
| | 3 | | 26,26 | | 14,16 | 11,12 | 10,12 |
| | | 12,13 | | | 12,12 | 12,14 | 12,14 |
| | | 13,17 | 28,32.2 | | X,Y | 10,11 | 20,22 |
| | | | | | 6,9.3 | 11,11 | 17,17 |

TABLE 1

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

Item 4

| | | | | | | | | |
|--------|------------------------------------|------------|------------|------------|-------|-------|---------|--|
| 4JKX92 | <i>Identifiler®</i> | | | | | | | |
| | 4 | Not Tested | 18,20 | Not Tested | 16,16 | 10,11 | 8,12 | |
| | | 8,14 | Not Tested | Not Tested | 10,12 | 11,12 | 12,19 | |
| | | 13,13 | 30.2,31.2 | Not Tested | X,Y | 11,12 | 21,23.2 | |
| | Not Tested | Not Tested | Not Tested | 6,6 | 8,11 | 17,18 | | |
| 4PLDDF | <i>Identifiler® Plus</i> | | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 | |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 | |
| | | | | 6,6 | 8,11 | 17,18 | | |
| 4VCJFH | <i>PowerPlex® 16 HS</i> | | | | | | | |
| | 4 | | | | 16 | 10,11 | 8,12 | |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 | |
| | | | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 | |
| | 11,12 | 7 | | 6 | 8,11 | 17,18 | | |
| 63RLUX | <i>Identifiler® Plus</i> | | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 | |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 | |
| | | | | 6,6 | 8,11 | 17,18 | | |
| 6EPDQ4 | <i>COfiler® and Profiler Plus®</i> | | | | | | | |
| | 4 | | | | 16,16 | 10,11 | 8,12 | |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 | |
| | | | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 | |
| | | | | 6,6 | 8,11 | 17,18 | | |
| 776Q4D | <i>PowerPlex® Fusion</i> | | | | | | | |
| | 4 | 15.3,16 | 18,20 | 10,14 | 16 | 10,11 | 8,12 | |
| | | 8,14 | 14,15 | 15,23 | 10,12 | 11,12 | 12,19 | |
| | | 13 | 30.2,31.2 | 11 | X,Y | 11,12 | 21,23.2 | |
| | 11,12 | 7 | | 6 | 8,11 | 17,18 | | |
| 78CRN6 | <i>NGM SElect</i> | | | | | | | |
| | 4 | 15.3,16 | 18,20 | 10,14 | 16,16 | | | |
| | | 8,14 | 14,15 | 15,23 | | 11,12 | 12,19 | |
| | | 13,13 | 30.2,31.2 | 11,11 | X,Y | | 21,23.2 | |
| | | | 14,19 | 6,6 | | 17,18 | | |
| 7GAMDA | <i>COfiler® and Profiler Plus®</i> | | | | | | | |
| | 4 | | | | 16,16 | 10,11 | 8,12 | |
| | | 8,14 | | | 10,12 | | 12,19 | |
| | | | 30.2,31.2 | | X,Y | | 21,23.2 | |
| | | | | | | 17,18 | | |
| 7PJ4YN | <i>Identifiler® Plus</i> | | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 | |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 | |
| | | | | 6,6 | 8,11 | 17,18 | | |

TABLE 1

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

TABLE 1

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

Item 4

| | | | | | | | | |
|--------|--|---|---------|-----------|-------|-------|---------|---------|
| AVHLQX | Identifiler® | 4 | 18,20 | | 16 | 10,11 | 8,12 | |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 | |
| | | | 13 | 30.2,31.2 | X,Y | 11,12 | 21,23.2 | |
| | | | | | 6 | 8,11 | 17,18 | |
| B84H72 | Identifiler® | 4 | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 | |
| | | | 13,13 | 30.2,31.2 | X,Y | 11,12 | 21,23.2 | |
| | | | | | 6,6 | 8,11 | 17,18 | |
| BABVPN | Identifiler® | 4 | N/A | N/A | 16,16 | 10,11 | 8,12 | |
| | | | 8,14 | N/A | 10,12 | 11,12 | 12,19 | |
| | | | 13,13 | 30.2,31.2 | N/A | X,Y | 21,23.2 | |
| | | | N/A | N/A | N/A | 6,6 | 8,11 | 17,18 |
| BBMK39 | PowerPlex® 18D, PowerPlex® CS7 System/ AmpFISTR NGM SElect Express | 4 | 15.3,16 | 18,20 | 10,14 | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | 14,15 | 15,23 | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | 11,11 | X,Y | 11,12 | 21,23.2 |
| | | | 11,12 | 7,7 | 14,19 | 6,6 | 8,11 | 17,18 |
| BDPYEY | PowerPlex® Fusion, AmpFLSTR NGM-SE | 4 | 15.3,16 | 18,20 | 10,14 | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | 14,15 | 15,23 | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | 11,11 | X,Y | 11,12 | 21,23.2 |
| | | | 11,12 | 7,7 | 14,19 | 6,6 | 8,11 | 17,18 |
| BGRE6G | Identifiler® Plus | 4 | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 | |
| | | | 13,13 | 30.2,31.2 | X,Y | 11,12 | 21,23.2 | |
| | | | | | 6,6 | 8,11 | 17,18 | |
| BZ7QYR | Identifiler® | 4 | - | 18,20 | - | 16,16 | 10,11 | 8,12 |
| | | | 8,14 | - | - | 10,12 | 11,12 | 12,19 |
| | | | 13,13 | 30.2,31.2 | - | X,Y | 11,12 | 21,23.2 |
| | | | - | - | - | 6,6 | 8,11 | 17,18 |
| C22M72 | Identifiler® Plus | 4 | 18,20 | | 16,16 | 10,11 | 8,12 | |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 | |
| | | | 13,13 | 30.2,31.2 | X,Y | 11,12 | 21,23.2 | |
| | | | | | 6,6 | 8,11 | 17,18 | |
| CD6AR4 | COfiler® and Profiler Plus® | 4 | | | 16 | 10,11 | 8,12 | |
| | | | 8,14 | | 10,12 | 11,12 | 12,19 | |
| | | | | 30.2,31.2 | X,Y | 11,12 | 21,23.2 | |
| | | | | | 6 | 8,11 | 17,18 | |

TABLE 1

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

Item 4

| | | | | | | | |
|--------|-----------------------------|-------|-----------|---|-------|-------|---------|
| CD7Y79 | <i>Identifiler® ID-Plus</i> | | | | | | |
| | 4 | - | 18,20 | - | 16,16 | 10,11 | 8,12 |
| | | 8,14 | - | - | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | - | X,Y | 11,12 | 21,23.2 |
| | | - | - | - | 6,6 | 8,11 | 17,18 |
| CFULM3 | <i>Identifiler® Plus</i> | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| CK87R3 | <i>Identifiler®</i> | | | | | | |
| | 4 | | 18,20 | | 16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6 | 8,11 | 17,18 |
| CMVQMY | <i>Identifiler® Plus</i> | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| CPXLFA | <i>Identifiler® Plus</i> | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| CR9KEP | <i>Identifiler® Plus</i> | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| CUXMMY | <i>Identifiler®</i> | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| DMRDTB | <i>Identifiler® Plus</i> | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| EC6XY8 | <i>Identifiler® Plus</i> | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |

TABLE 1

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

TABLE 1

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

TABLE 1

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

Item 4

| | | | | | | | |
|--------|------------------------------------|-------|-----------|---|-------|-------|---------|
| MUGDZ2 | <i>Identifiler® Plus</i> | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| NCV4HW | <i>PowerPlex® HS</i> | | | | | | |
| | 4 | | | | 16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | 11,12 | 7 | | 6 | 8,11 | 17,18 |
| NGLH2C | <i>Identifiler® Plus</i> | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| NTE688 | <i>Identifiler® Plus</i> | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| NXUB8N | <i>Identifiler®</i> | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| P9BGGW | <i>Identifiler® Plus</i> | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| PD7BEX | <i>Identifiler® Plus</i> | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| PTEGAU | <i>PowerPlex® PowerPlex® 16 HS</i> | | | | | | |
| | 4 | | | | 16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | 11,12 | 7 | | 6 | 8,11 | 17,18 |
| RPLEBJ | <i>Identifiler® Plus</i> | | | | | | |
| | 4 | - | 18,20 | - | 16 | 10,11 | 8,12 |
| | | 8,14 | - | - | 10,12 | 11,12 | 12,19 |
| | | 13 | 30.2,31.2 | - | X,Y | 11,12 | 21,23.2 |
| | | - | - | - | 6 | 8,11 | 17,18 |

TABLE 1

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

Item 4

| | | | | | | | |
|--------|------------------------------------|---|--|--|------------------------------|---------------------------------|-----------------------------------|
| RXV38L | <i>Identifiler® Plus, NGM-SE</i> | | | | | | |
| | 4 | 15.3,16 8,14 13,13 | 18,20 14,15 30.2,31.2 | 10,14 15,23 11,11 14,19 | 16,16 10,12 X,Y 6,6 | 10,11 11,12 11,12 8,11 | 8,12 12,19 21,23.2 17,18 |
| TDU3H7 | <i>Identifiler®</i> | | | | | | |
| | 4 | Not Tested 8,14 13,13 Not Tested | 18,20 Not Tested 30.2,31.2 Not Tested | Not Tested Not Tested Not Tested Not Tested | 16,16 10,12 X,Y 6,6 | 10,11 11,12 11,12 8,11 | 8,12 12,19 21,23.2 17,18 |
| TEK9WB | <i>PowerPlex® 21</i> | | | | | | |
| | 4 | 15.3,16 8,14 13,13 11,12 | 18,20 30.2,31.2 7,7 | 15,23 | 16,16 10,12 X,Y 6,6 | 10,11 11,12 11,12 8,11 | 8,12 12,19 21,23.2 17,18 |
| UFBPNY | <i>Identifiler® Plus</i> | | | | | | |
| | 4 | 8,14 13,13 | 18,20 30.2,31.2 | | 16,16 10,12 X,Y 6,6 | 10,11 11,12 11,12 8,11 | 8,12 12,19 21,23.2 17,18 |
| UNRYHM | <i>COfiler® and Profiler Plus®</i> | | | | | | |
| | 4 | 8,14 | 30.2,31.2 | | 16 10,12 X,Y 6 | 10,11 11,12 11,12 8,11 | 8,12 12,19 21,23.2 17,18 |
| V37QJY | <i>COfiler® and Profiler Plus®</i> | | | | | | |
| | 4 | 8,14 | 30.2,31.2 | | 16,16 10,12 X,Y 6,6 | 10,11 11,12 11,12 8,11 | 8,12 12,19 21,23.2 17,18 |
| V3HKYY | <i>COfiler® and Profiler Plus®</i> | | | | | | |
| | 4 | 8,14 | 30.2,31.2 | | 16,16 10,12 X,Y 6,6 | 10,11 11,12 11,12 8,11 | 8,12 12,19 21,23.2 17,18 |
| VD4W76 | <i>Identifiler® Plus</i> | | | | | | |
| | 4 | 8,14 13,13 | 18,20 30.2,31.2 | | 16,16 10,12 X,Y 6,6 | 10,11 11,12 11,12 8,11 | 8,12 12,19 21,23.2 17,18 |
| VFPKKQ | <i>Identifiler®</i> | | | | | | |
| | 4 | 8,14 13 | 18,20 30.2,31.2 | | 16 10,12 X,Y 6 | 10,11 11,12 11,12 8,11 | 8,12 12,19 21,23.2 17,18 |

TABLE 1

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

TABLE 1

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

Item 4

| | | | | | | | |
|--------|--|-------|-----------|--|-------|-------|---------|
| Y7UCYQ | <i>Identifiler® Plus</i> | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| ZK8649 | <i>Identifiler®</i> | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| ZPFMZ | <i>Identifiler® , Identifiler Plus</i> | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |
| ZZ3NGQ | <i>Identifiler® Plus</i> | | | | | | |
| | 4 | | 18,20 | | 16,16 | 10,11 | 8,12 |
| | | 8,14 | | | 10,12 | 11,12 | 12,19 |
| | | 13,13 | 30.2,31.2 | | X,Y | 11,12 | 21,23.2 |
| | | | | | 6,6 | 8,11 | 17,18 |

Amplification Kit(s) & YSTR Results

TABLE 2

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

TABLE 2

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

TABLE 2

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

TABLE 2

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

TABLE 2

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

TABLE 2

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

TABLE 2

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

TABLE 2

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

TABLE 2

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

TABLE 2

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

TABLE 2

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

TABLE 2

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

TABLE 2

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

TABLE 2

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

TABLE 2

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

TABLE 2

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

TABLE 2

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

TABLE 2

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

TABLE 2

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

TABLE 2

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

TABLE 2

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

TABLE 2

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

Additional DNA Results

TABLE 3

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

DNA Interpretations

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

TABLE 4

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

TABLE 4

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

TABLE 4

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

| Response Summary | | | Participants reporting DNA results: 112 | | | |
|--|-----|-----------------|---|------------------|-----------|--|
| <i>Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 & 4)?</i> | | | | | | |
| | | Victim (Item 1) | | Suspect (Item 2) | | |
| | | Item 3 | Item 4 | Item 3 | Item 4 | |
| Responses | Yes | 80 | 0 | 0 | 80 | |
| | No | 0 | 78 | 77 | 0 | |
| | Inc | 0 | 0 | 1 | 0 | |

Participants not reporting Interpretation results: 32

Additional Comments

TABLE 5

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

Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

Test No. 14-583: DNA-Blood

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

Participant Code:

WebCode:

Accreditation Release Statement

CTS submits external proficiency test data directly to ASCLD/LAB and ANSI-ASQ NAB/FQS. Please select one of the following statements to ensure your data is handled appropriately.

- This participant's data is intended for submission to ASCLD/LAB and/or ANSI-ASQ NAB/FQS. (Accreditation Release section on the last page must be completed and submitted.)
- This participant's data is NOT intended for submission to ASCLD/LAB or ANSI-ASQ NAB/FQS.

Scenario:

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

Items Submitted (Sample Pack S3):

Item 1: Known blood from the Victim.

Item 2: Known blood from the Suspect.

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

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

****Please note the following Significant Changes to the Data Sheet****

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

Online Data Entry

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

Please return all pages of this data sheet.

Page 1 of 8

Part I: DNA ANALYSIS

DNA Analysis Instructions:

Use the instructions below to complete the following DNA Analysis sections of this data sheet.

- * Report alleles in numerical order, separated by a comma.
- * Follow your laboratory procedures for reporting homozygotes (i.e. X,X or X).

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

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

Additional DNA Results

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

| | Item 1 | Item 2 | Item 3 | Item 4 |
|-------|----------------------|----------------------|----------------------|----------------------|
| _____ | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| _____ | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| _____ | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| _____ | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

Please return all pages of this data sheet.

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

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

| | |
|--|---|
| <input type="checkbox"/> COfiler®/Profiler Plus® _____ | <input type="checkbox"/> PowerPlex® _____ |
| <input type="checkbox"/> Identifiler® _____ | <input type="checkbox"/> Other _____ |

| | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D7S820 |
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 | D18S51 |
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO | FGA |
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | Penta D | Penta E | SE33 | TH01 | TPOX | vWA |
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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

| | |
|--|---|
| <input type="checkbox"/> Yfiler® _____ | <input type="checkbox"/> PowerPlex® Y _____ |
| <input type="checkbox"/> Other _____ | |

| | | | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | DYS19 | DYS385 | DYS389-I | DYS389-II | DYS390 | DYS391 | DYS392 | DYS393 |
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | DYS437 | DYS438 | DYS439 | DYS448 | DYS456 | DYS458 | DYS481 | DYS533 |
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | DYS549 | DYS570 | DYS576 | DYS635 | DYS643 | Y GATA H4 | Y Indel |
| 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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

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

COfiler®/Profiler Plus® _____ PowerPlex® _____

Identifiler® _____ Other _____

| | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D7S820 |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 | D18S51 |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO | FGA |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | Penta D | Penta E | SE33 | TH01 | TPOX | vWA |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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

Yfiler® _____ PowerPlex® Y _____

Other _____

| | | | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | DYS19 | DYS385 | DYS389-I | DYS389-II | DYS390 | DYS391 | DYS392 | DYS393 |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | DYS437 | DYS438 | DYS439 | DYS448 | DYS456 | DYS458 | DYS481 | DYS533 |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | DYS549 | DYS570 | DYS576 | DYS635 | DYS643 | Y GATA H4 | Y Indel |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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

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

| | |
|--|---|
| <input type="checkbox"/> COfiler®/Profiler Plus® _____ | <input type="checkbox"/> PowerPlex® _____ |
| <input type="checkbox"/> Identifiler® _____ | <input type="checkbox"/> Other _____ |

| | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D7S820 |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 | D18S51 |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO | FGA |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | Penta D | Penta E | SE33 | TH01 | TPOX | vWA |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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

| | |
|--|---|
| <input type="checkbox"/> Yfiler® _____ | <input type="checkbox"/> PowerPlex® Y _____ |
| <input type="checkbox"/> Other _____ | |

| | | | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | DYS19 | DYS385 | DYS389-I | DYS389-II | DYS390 | DYS391 | DYS392 | DYS393 |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | DYS437 | DYS438 | DYS439 | DYS448 | DYS456 | DYS458 | DYS481 | DYS533 |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | DYS549 | DYS570 | DYS576 | DYS635 | DYS643 | Y GATA H4 | Y Indel |
| 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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

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

| | |
|--|---|
| <input type="checkbox"/> COfiler®/Profiler Plus® _____ | <input type="checkbox"/> PowerPlex® _____ |
| <input type="checkbox"/> Identifiler® _____ | <input type="checkbox"/> Other _____ |

| | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D7S820 |
| 4 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 | D18S51 |
| 4 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO | FGA |
| 4 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | Penta D | Penta E | SE33 | TH01 | TPOX | vWA |
| 4 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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

| | |
|--|---|
| <input type="checkbox"/> Yfiler® _____ | <input type="checkbox"/> PowerPlex® Y _____ |
| <input type="checkbox"/> Other _____ | |

| | | | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | DYS19 | DYS385 | DYS389-I | DYS389-II | DYS390 | DYS391 | DYS392 | DYS393 |
| 4 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | DYS437 | DYS438 | DYS439 | DYS448 | DYS456 | DYS458 | DYS481 | DYS533 |
| 4 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| | | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | DYS549 | DYS570 | DYS576 | DYS635 | DYS643 | Y GATA H4 | Y Indel |
| 4 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Please return all pages of this data sheet.

Part II: DNA INTERPRETATION

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

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

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

Part III: ADDITIONAL COMMENTS

Comments regarding any part of this Forensic Biology Test.

Written conclusions (including statistical information) for DNA analysis are not required.

Any interpretations based on the results obtained should be indicated above.

Note: Laboratories submitting their results for ASCLD/LAB accreditation are asked to report any additional information that will assist in the review of their results. This includes an explanation of any deviations from a full completion of the test and/or unique findings such as elevated stutter.

| | |
|--|---|
| <p>Return Instructions: Data must be received via online data entry, fax (please include a cover sheet), or mail by June 16, 2014 to be included in the report.</p> <p>QUESTIONS? TEL: +1-571-434-1925 (8 am - 4:30 pm EST) EMAIL: forensics@cts-interlab.com www.ctsforensics.com</p> | <p>Participant Code:</p> <p>ONLINE DATA ENTRY: www.cts-portal.com FAX: +1-571-434-1937 or Toll-Free: 1-866-FAX-2CTS (329-2287) MAIL: Collaborative Testing Services, Inc. P.O. Box 650820 Sterling, VA 20165-0820 USA</p> |
|--|---|

Please return all pages of this data sheet.

RELEASE OF DATA TO ACCREDITATION BODIES

The following Accreditation Releases will apply only to:

Participant Code:

WebCode:

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

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

ASCLD/LAB RELEASE

If your lab has been accredited by ASCLD/LAB and you are submitting this data as part of their external proficiency test requirements, have the laboratory's designated individual complete the following.

The information below must be completed in its entirety for the results to be submitted to ASCLD/LAB.

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

Signature _____ Date _____

Laboratory Name _____

Location (City/State) _____

ANSI-ASQ NAB/FQS RELEASE

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

ANSI-ASQ NAB/FQS Certificate No. _____

Signature and Title _____ Date _____

Laboratory Name _____

Location (City/State) _____

Accreditation Release

Return Instructions

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

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

Please return all pages of this data sheet.

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