



DNA-Mixture Test No. 18-5801

Summary Report

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 156 participants and are compiled into the following tables:

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

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

Manufacturer's Information

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

SAMPLE PREPARATION: The stains in Items 1, 2, and 3 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. The stain in Item 4 was a mixture prepared from human whole blood and semen. The semen sample was received frozen from an outside supplier. The semen sample was first thawed and mixed 1:1 with TAE buffer, then mixed 1:1 with the blood. Items 1 (50 μ l) and 3 (50 μ l) were each created using blood from the same female donor. Item 2 (50 μ l) was created using blood collected from a male donor. Item 4 (50 μ l) was a 1:1 mixture that was prepared using blood from the female used for Items 1 & 3 and semen from a third party male whose known standard was not provided. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on January 05, 2018 following completion of verification stage.

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

VERIFICATION: All predistribution laboratories confirmed the manufacturer's expected associations. Allelic results were consistent for all STR and YSTR loci with the exception of D1S1656 for Item 2. One predistribution laboratory reported a variant of the allele submitted by the other two predistribution laboratories. After an investigation, no changes were deemed necessary prior to distribution.

Manufacturer's Information, continued

Amelogenin and STR Results

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

| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
|---------|-----------|---------|----------|-----------|------------|---------|
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |
| 1 | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | * |
| | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | N/A | N/A | N/A | N/A | |
| 2 | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | * |
| | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | 17 | 18 | 2 | |
| 3 | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | * |
| | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | N/A | N/A | N/A | N/A | |
| 4-Blood | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | * |
| | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | N/A | N/A | N/A | N/A | |
| 4-Semen | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | * |
| | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | 18 | 19 | 2 | |

YSTR Results

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

| Item | DYF387S1 | DYS19 | DYS385 | DYS389-I | DYS389-II | DYS390 | DYS391 | DYS392 | DYS393 |
|---------|----------|--------|--------|----------|-----------|--------|--------|--------|---------|
| | DYS437 | DYS438 | DYS439 | DYS448 | DYS449 | DYS456 | DYS458 | DYS460 | DYS481 |
| | DYS518 | DYS533 | DYS549 | DYS570 | DYS576 | DYS627 | DYS635 | DYS643 | YGATAH4 |
| | | | | | | | | | |
| 2 | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | 23 |
| | 42 | 11 | 12 | 17 | 18 | 21 | 22 | 10 | 12 |
| 4-Semen | 35,35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 |
| | 37 | 13 | 13 | 18 | 19 | 22 | 23 | 10 | 12 |

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

Summary Comments

The DNA-Mixture test is part of the DNA Sample Specific Series; where participants are advised of the body fluid(s) that make up the questioned stains. The test is designed to allow participants to assess their proficiency in the analysis of dried stains containing potential mixtures. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Items 1 and 3 were created using blood from a female donor. Item 2 was created using blood collected from a male donor. Item 4 was a mixture containing blood from the Item 1 female donor and semen from a third party male whose known standard was not provided. (See Manufacturer's Information for preparation details)

All 156 participants that returned results reported DNA interpretations.

For the Item 3 stain, all 156 participants included the victim (Item 1) as a possible contributor. There were 155 participants that excluded the suspect (Item 2), while one participant included the suspect as a possible contributor to the Item 3 stain. This one participant reported additional alleles in Item 3 that were consistent with the Item 2 profile.

For the Item 4 stain, there were 148 participants that included the victim (Item 1) as a possible contributor, while three participants excluded the victim and five reported inconclusive results. These inconsistent interpretations correspond to the DNA results they returned for Item 4. All 156 participants excluded the suspect (Item 2) as a possible contributor for the Item 4 stain.

Twenty participants reported allelic results that differed from the consensus/predistribution results. Of these, 17 participants were missing alleles at one or more loci. Fourteen of these participants were missing alleles from the female fraction of Item 4 with two solely reporting the male fraction. Finally, there were three participants that reported additional allelic results at one or more loci.

STR Amplification Kit(s) & Results

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|--------|----------------------|-------|---------|---------|-------|-------|
| 22ME94 | GlobalFiler™ Express | | | | | |
| | 16.3,* | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,* | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | nr | | | nr | |
| <hr/> | | | | | | |
| 2932UT | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | NR | | | NR | |
| <hr/> | | | | | | |
| 29HLEP | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| <hr/> | | | | | | |
| 2EV7QH | GlobalFiler™ Express | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | NR | | | NR | |
| <hr/> | | | | | | |
| 2VHK4A | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| <hr/> | | | | | | |
| 2XLHDG | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|--------|-------------------|-----------|------------|------------|------------|-----------|
| 33T7QJ | GlobalFiler™ | | | | | |
| | | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 1 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | Not Tested | Not Tested | 18,29.2 | 6,7 |
| | | 17,18 | No Result | Not Tested | Not Tested | No Result |
| 38NWWU | GlobalFiler™ | | | | | |
| | | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 1 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | - | | | - |
| 39X8NR | GlobalFiler™ | | | | | |
| | | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 1 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | | | | |
| 3BN73P | PowerPlex® Fusion | | | | | |
| | | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 1 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | 9,14 | 11,15 | | 6,7 |
| | | 17,18 | | | | |
| 3HNMH3 | PowerPlex® Fusion | | | | | |
| | | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 1 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | 9,14 | 11,15 | | 6,7 |
| | | 17,18 | NR | | | |
| 3TQW8Z | GlobalFiler™ | | | | | |
| | | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 1 | | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | | | | |
| 3UZ4AT | GlobalFiler™ | | | | | |
| | | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 1 | | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|--------|-------------------|-----------|-------|---------|---------|-------------|
| 3VBUCH | ESI | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | |
| 1 | | | 13,14 | 15,16 | 18,18 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | | | | |
| 43BPW2 | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 1 | | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X 7,11 |
| | | 24,25 | | | 18,29.2 | 6,7 11,11 |
| | | 17,18 | | | | |
| 4K7AMU | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 1 | | 8,12 | 13,14 | 15,16 | 18 | 12 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X 7,11 |
| | | 24,25 | 9,14 | 11,15 | | 6,7 11 |
| | | 17,18 | | | | |
| 4L3MAM | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 1 | | 8,12 | 13,14 | 15,16 | 18 | 12 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X 7,11 |
| | | 24,25 | 9,14 | 11,15 | | 6,7 11 |
| | | 17,18 | | | | |
| 4QEPWJ | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 1 | | 8,12 | 13,14 | 15,16 | 18 | 12 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X 7,11 |
| | | 24,25 | | | 18,29.2 | 6,7 11 |
| | | 17,18 | | | | |
| 62A26P | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 1 | | 8,12 | 13,14 | 15,16 | 18 | 12 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X 7,11 |
| | | 24,25 | | | 18,29.2 | 6,7 11 |
| | | 17,18 | | | | |
| 6FRJQL | Identifiler® | | | | | |
| | | | 17,23 | | 14,15 | 7,12 |
| 1 | | 8,12 | 13,14 | | | 12,12 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | | X,X 7,11 |
| | | 24,25 | | | | 6,7 11,11 |
| | | 17,18 | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|--------|-------------------------------|-------|---------|---------|-------|-------|
| 6KPNE6 | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |
| 6LGYGD | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| 6WZ6ZF | PowerPlex® Fusion 6C (STRmix) | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |
| 6ZWUGM | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| 7262JF | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| 73JPK8 | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| 7DZCU9 | PowerPlex® Fusion 5C | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|--------|-------------------|-------|---------|---------|-------|-------|
| 7JRGPX | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| 7KHM7N | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |
| 7LXEAL | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| 7QAVQH | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |
| 7X6V3P | NGM SElect | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | | |
| 1 | | 13,14 | 15,16 | 18,18 | | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | |
| | 24,25 | | | 18,29.2 | 6,7 | |
| | 17,18 | | | | | |
| 84TYBJ | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| 88PGPY | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | NR | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|--------|----------------------|------------|---------|---------|------------|-------|
| 9P6AR8 | Investigator® 24plex | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| 9WNFNE | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | XX | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| A2G2U8 | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | XX | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | NR | | | NR | |
| AJVDMX | GlobalFiler™ Express | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | NR | | | NR | |
| AVCZWY | GlobalFiler™ Express | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | NR | | | NR | |
| B2WFZW | GlobalFiler™ Express | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | no results | | | no results | |
| B73BJW | GlobalFiler™ Express | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | No results | | | No results | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|--------|----------------------|-------|---------|---------|-------|---------|
| BA7CVA | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| BDTEXU | GlobalFiler™ Express | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | XX | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | NR | | | NR | |
| BMQL7Y | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | XX | 7,11 |
| | 24,25 | | | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| BN472U | PowerPlex® 21 | | | | | |
| | 16.3,17.3 | 17,23 | | 14,15 | 7,12 | 12,21.3 |
| 1 | 8,12 | 13,14 | | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | XX | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| BN7NBL | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | XX | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | - | | | - | |
| BPEX64 | PowerPlex® Fusion 5C | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | XX | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| BTY4NY | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | XX | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|--------|----------------------|-------|---------|---------|-------|-------|
| BV83Y9 | GlobalFiler™ Express | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | NR | | | NR | |
| C7HU29 | PowerPlex® Fusion 5C | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| C8VLR4 | GlobalFiler™ | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| CD2M4E | Identifiler® | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| CN2T6K | PowerPlex® Fusion | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| CQMZHA | NGM | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | | |
| 1 | | 13,14 | 15,16 | 18,18 | | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | |
| | 24,25 | | | | 6,7 | |
| | 17,18 | | | | | |
| CQPB9R | PowerPlex® Fusion 6C | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | ND | ND | ND | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|--------|---------------------------------|-------|---------|---------|-------|-------|
| CY6BVB | Identifiler® 16, Plus (1708118) | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| D68ATY | PowerPlex® Fusion 6C | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |
| DCJQZY | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| DHAZ9B | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| ECKV2T | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |
| EMFWRB | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| ERCB78 | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|--------|-------------------------------|-------|---------|---------|-------|---------|
| EU4E89 | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| EYA94P | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | XX | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| EZPMHQ | PowerPlex® 21 (STRmix) | | | | | |
| | 16.3,17.3 | 17,23 | | 14,15 | 7,12 | 12,21.3 |
| 1 | 8,12 | 13,14 | | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | XX | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| F6VKGW | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | XX | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| F82AJ7 | PowerPlex® Fusion 6C (STRMix) | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | XX | 7,11 |
| | 24,25 | 9,14 | 11,15 | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |
| F8KWF3 | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | XX | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | NR | | | NR | |
| FD9GJH | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | | |
|--------|--------------------------------------|-----------|-------|---------|---------|-------|-------|
| FDPRY3 | GlobalFiler™ | | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| | 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | | 17,18 | --- | | | --- | |
| FUD3L6 | GlobalFiler™ (Lab Retriever) | | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| | 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | | 17,18 | | | | | |
| FZ4DXN | Identifiler® Plus | | | | | | |
| | | | 17,23 | | 14,15 | 7,12 | |
| | 1 | 8,12 | 13,14 | | | 12 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | | X,X | 7,11 |
| | | 24,25 | | | | 6,7 | 11 |
| | | 17,18 | | | | | |
| GB2GZW | PowerPlex® Fusion | | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| | 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | | 17,18 | | | | | |
| GBF62N | PowerPlex® Fusion | | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| | 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | | 17,18 | NR | | | | |
| GFF6ME | GlobalFiler™ | | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| | 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | | 17,18 | | | | | |
| GVL6YA | Identifiler® Plus, PowerPlex® Fusion | | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| | 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|---------|-------------------|-----------|-------|---------|---------|-------|
| GWXC9B | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| | 1 | 8,12 | 13,14 | 15,16 | 18 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | 9,14 | 11,15 | | 6,7 |
| | 17,18 | | | | | 11 |
| <hr/> | | | | | | |
| GXBW8D | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| | 1 | 8,12 | 13,14 | 15,16 | 18 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | 9,14 | 11,15 | | 6,7 |
| | 17,18 | | | | | 11 |
| <hr/> | | | | | | |
| H4W NXZ | Identifiler® Plus | | | | | |
| | | | 17,23 | | 14,15 | 7,12 |
| | 1 | 8,12 | 13,14 | | | 11,13 |
| | | 12,17 | 13 | 29,31.2 | | X |
| | | 24,25 | | | | 6,7 |
| | 17,18 | | | | | 11 |
| <hr/> | | | | | | |
| H8A4CB | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| | 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | 17,18 | NR | | | | 11,11 |
| | | | | | | NR |
| <hr/> | | | | | | |
| HMQW4N | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| | 1 | 8,12 | 13,14 | 15,16 | 18 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | 9,14 | 11,15 | | 6,7 |
| | 17,18 | NR | | | | 11 |
| <hr/> | | | | | | |
| HZAJAF | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| | 1 | 8,12 | 13,14 | 15,16 | 18 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | 9,14 | 11,15 | | 6,7 |
| | 17,18 | | | | | 11 |
| <hr/> | | | | | | |
| J47ME8 | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| | 1 | 8,12 | 13,14 | 15,16 | 18 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | 9,14 | 11,15 | | 6,7 |
| | 17,18 | | | | | 11 |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|--------|----------------------|-------|---------|---------|-------|-------|
| J49DKP | GlobalFiler™ | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| JQP3A2 | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| K2FEXX | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| K4ACH6 | PowerPlex® Fusion | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| KH9GMV | PowerPlex® Fusion 5C | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| KRWCLB | GlobalFiler™ | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| KTRQBP | GlobalFiler™ | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|--------|----------------------------------|-------|---------|---------|-------|---------|
| KVR264 | PowerPlex® Fusion 5C | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| KYC2BB | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| L2JJ8L | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| L3UZ8Z | Identifiler® | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| L43HEP | Identifiler® Plus, PowerPlex® 21 | | | | | |
| | 16,3,17.3 | 17,23 | | 14,15 | 7,12 | 12,21.3 |
| 1 | 8,12 | 13,14 | | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| L44HC4 | PowerPlex® Fusion | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| LE4AJA | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | - | | | - | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|--------|----------------------|-------|---------|---------|-------|-------|
| LFYN9M | GlobalFiler™ | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| LHMZ8T | GlobalFiler™ | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | XX | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| LQVWQP | Identifiler® | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| LYBDLK | PowerPlex® Fusion 5C | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | NR | | | | |
| M6UZTV | GlobalFiler™ | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | XX | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | NR | | | NR | |
| M6Y97P | GlobalFiler™ | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | XX | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |
| MCV479 | PowerPlex® Fusion | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|--------|----------------------|-------|---------|---------|-------|-------|
| MD6RAZ | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| MFEAHP | PowerPlex® Fusion | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | - | | | | |
| MFR29K | GlobalFiler™ Express | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | NR | | | NR | |
| N3ZUNP | PowerPlex® Fusion | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| N9LPM8 | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| NMRTZE | PowerPlex® Fusion 6C | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | ND | ND | ND | | |
| NY3237 | PowerPlex® Fusion | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | | |
|--------|----------------------|-----------|-----------|---------|---------|-----------|-------|
| NYK2XV | GlobalFiler™ Express | | | | | | |
| | | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| | 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | | 17,18 | No Result | | | No Result | |
| P7ZF2D | GlobalFiler™ | | | | | | |
| | | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| | 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | | 17,18 | | | | | |
| PTXPKE | Identifiler® Plus | | | | | | |
| | | | 17,23 | | 14,15 | 7,12 | |
| | 1 | 8,12 | 13,14 | | | 12,12 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | | 24,25 | | | | 6,7 | 11,11 |
| | | 17,18 | | | | | |
| PUL8BE | PowerPlex® Fusion | | | | | | |
| | | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| | 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | | 17,18 | | | | | |
| Q3AH3L | GlobalFiler™ | | | | | | |
| | | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| | 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | | 17,18 | | | | | |
| Q7T6MZ | Identifiler® Plus | | | | | | |
| | | | 17,23 | | 14,15 | 7,12 | |
| | 1 | 8,12 | 13,14 | | | 12,12 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | | 24,25 | | | | 6,7 | 11,11 |
| | | 17,18 | | | | | |
| Q8METG | GlobalFiler™ | | | | | | |
| | | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| | 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|--------|--------------------------------------------|------------|---------|---------|------------|-------|
| QFG96T | GlobalFiler™ Express | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | no results | | | no results | |
| QGARW2 | PowerPlex® Fusion 6C (RMP with Familias 3) | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |
| QJ37HB | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |
| QLM6NT | GlobalFiler™ Express | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | No Results | | | No Results | |
| QPP9RW | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| RABYB7 | PowerPlex® Fusion | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| RAR92L | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|--------|-------------------|-------|---------|---------|-------|-------|
| RKP9FB | Identifiler® Plus | | | | | |
| | - | 17,23 | - | 14,15 | 7,12 | - |
| 1 | 8,12 | 13,14 | - | - | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | - | X,X | 7,11 |
| | 24,25 | - | - | - | 6,7 | 11 |
| | 17,18 | - | - | - | - | - |
| TUERLQ | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| TUXWDH | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |
| U6PJNQ | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| UBFTYN | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| UQPCGT | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| VAWYHR | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|--------|----------------------|-------|---------|---------|-------|-------|
| VKDJA4 | PowerPlex® Fusion | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | NR | | | | |
| VQ4W4C | GlobalFiler™ Express | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | NR | | | NR | |
| VQJFMA | PowerPlex® Fusion 5C | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | NR | | | | |
| VUNFYM | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| WB44LM | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| X8GGBR | PowerPlex® Fusion | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| X8GGDC | Identifiler® | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11,11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | | |
|--------|----------------------|-----------|-------|---------|---------|-------|---------|
| X8NGK8 | PowerPlex® 21 | | | | | | |
| | | 16,3,17,3 | 17,23 | | 14,15 | 7,12 | 12,21.3 |
| | 1 | 8,12 | 13,14 | | 18,18 | 12,12 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | | | | | | |
| XL3UR8 | PowerPlex® Fusion | | | | | | |
| | | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| | 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | NR | | | | | |
| XMH7F6 | GlobalFiler™ | | | | | | |
| | | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | N/A |
| | 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | | 24,25 | N/A | N/A | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | N/A | N/A | N/A | N/A | | |
| XRCPWG | PowerPlex® Fusion 5C | | | | | | |
| | | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| | 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | | | | | | |
| XUUAEQ | PowerPlex® Fusion | | | | | | |
| | | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| | 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | | |
| XUW83N | Identifiler® Plus | | | | | | |
| | | | 17,23 | | 14,15 | 7,12 | |
| | 1 | 8,12 | 13,14 | | | 12 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | | |
| XYN74G | PowerPlex® Fusion | | | | | | |
| | | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| | 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | Neg. | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|--------|----------------------------------|-----------|-------|---------|---------|-------------|
| YB2J74 | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 1 | | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X 7,11 |
| | | 24,25 | | | 18,29.2 | 6,7 11,11 |
| | | 17,18 | | | | |
| YLFKFH | PowerPlex® ESI-16 | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | |
| 1 | | | 13,14 | 15,16 | 18,18 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | | | 6,7 |
| | | 17,18 | | | | |
| ZA4QL6 | Identifiler® Plus (STRmix) | | | | | |
| | | | 17,23 | | 14,15 | 7,12 |
| 1 | | 8,12 | 13,14 | | | 12,12 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | | X,X 7,11 |
| | | 24,25 | | | | 6,7 11,11 |
| | | 17,18 | | | | |
| ZCTEAK | Identifiler® Plus | | | | | |
| | | | 17,23 | | 14,15 | 7,12 |
| 1 | | 8,12 | 13,14 | | | 12 11,13 |
| | | 12,17 | 13 | 29,31.2 | | X 7,11 |
| | | 24,25 | | | | 6,7 11 |
| | | 17,18 | | | | |
| ZHXATK | PowerPlex® Fusion 5C, NGM SElect | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 1 | | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X 7,11 |
| | | 24,25 | 9,14 | 11,15 | 18,29.2 | 6,7 11,11 |
| | | 17,18 | - | | | |
| ZMCCA4 | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 1 | | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X 7,11 |
| | | 24,25 | | | 18,29.2 | 6,7 11,11 |
| | | 17,18 | | | | |
| ZPDNKA | PowerPlex® 16 HS | | | | | |
| | | | | 14,15 | 7,12 | |
| 1 | | 8,12 | 13,14 | | | 12,12 11,13 |
| | | 12,17 | | 29,31.2 | | X,X 7,11 |
| | | 24,25 | 9,14 | 11,15 | | 6,7 11,11 |
| | | 17,18 | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 1 - STR Results

| | | | | | | |
|--------|----------------------|-------|---------|---------|-------|-------|
| ZR2ZJF | PowerPlex® Fusion 5C | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | --- | | | | |
| ZV32JC | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| ZX7W4F | Investigator® 24plex | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 1 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | |
|--------|----------------------|---------|------------|------------|----------|-------|
| 22ME94 | Identifiler® Plus | | | | | |
| | | 17,23 | | 17,17 | 11,11 | |
| 2 | | 11,12 | 13,14 | | 12,12 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | X,Y | 11,12 |
| | | 20,24 | | | 7,8 | 8,12 |
| | | 15,17 | | | | |
| 2932UT | GlobalFiler™ | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | 16,23.2 | 7,8 | 8,12 |
| | | 15,17 | 11 | | 2 | |
| 29HLEP | PowerPlex® Fusion | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | 8,9 | 11,12 | 7,8 | 8,12 |
| | | 15,17 | 11 | | | |
| 2EV7QH | GlobalFiler™ Express | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | 16,23.2 | 7,8 | 8,12 |
| | | 15,17 | 11 | | 2 | |
| 2VHK4A | PowerPlex® Fusion | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | 8,9 | 11,12 | 16,23.2 | 7,8 |
| | | 15,17 | 11 | 17 | 18 | |
| 2XLHDG | GlobalFiler™ | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | 16,23.2 | 7,8 | 8,12 |
| | | 15,17 | 11 | | 2 | |
| 33T7QJ | GlobalFiler™ | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | Not Tested | Not Tested | 16,23.2 | 7,8 |
| | | 15,17 | 11 | See YSTR | See YSTR | 2 |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | |
|--------|-------------------|---------|-------|-------|---------|-------|
| 38NWWU | GlobalFiler™ | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | | 16,23.2 | 7,8 |
| | | 15,17 | 11 | | | 2 |
| 39X8NR | GlobalFiler™ | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | | 16,23.2 | 7,8 |
| | | 15,17 | 11 | | | 2 |
| 3BN73P | PowerPlex® Fusion | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | 8,9 | 11,12 | | 7,8 |
| | | 15,17 | 11 | | | |
| 3HNMH3 | PowerPlex® Fusion | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | 8,9 | 11,12 | | 7,8 |
| | | 15,17 | 11 | | | |
| 3TQW8Z | GlobalFiler™ | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | | 16,23.2 | 7,8 |
| | | 15,17 | 11 | | | 2 |
| 3UZ4AT | GlobalFiler™ | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | | 16,23.2 | 7,8 |
| | | 15,17 | 11 | | | 2 |
| 3VBUCH | ESI | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17,17 | |
| 2 | | | 13,14 | 14,16 | 17,21 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | | 16,23.2 | 7,8 |
| | | 15,17 | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | |
|--------|-------------------|---------|-------|-------|---------|-------|
| 43BPW2 | GlobalFiler™ | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | | 16,23.2 | 7,8 |
| | | 15,17 | 11 | | | 8,12 |
| | | | | | | 2 |
| 4K7AMU | PowerPlex® Fusion | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | 8,9 | 11,12 | | 7,8 |
| | | 15,17 | 11 | | | 8,12 |
| 4L3MAM | PowerPlex® Fusion | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | 8,9 | 11,12 | | 7,8 |
| | | 15,17 | 11 | | | 8,12 |
| 4QEPWJ | GlobalFiler™ | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | | 16,23.2 | 7,8 |
| | | 15,17 | 11 | | | 8,12 |
| | | | | | | 2 |
| 62A26P | GlobalFiler™ | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | | 16,23.2 | 7,8 |
| | | 15,17 | 11 | | | 8,12 |
| | | | | | | 2 |
| 6FRJQL | Identifiler® | | | | | |
| | | | 17,23 | | 17,17 | 11,11 |
| 2 | | 11,12 | 13,14 | | | 12,12 |
| | | 15,15 | 13,15 | 29,30 | | X,Y |
| | | 20,24 | | | | 7,8 |
| | | 15,17 | | | | 8,12 |
| 6KPNE6 | GlobalFiler™ | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | | 16,23.2 | 7,8 |
| | | 15,17 | 11 | | | 8,12 |
| | | | | | | 2 |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | |
|--------|----------------------|---------|-------|-------|---------|-------|
| 6LGYGD | Identifiler® Plus | | | | | |
| | | 17,23 | | 17 | 11 | |
| 2 | | 11,12 | 13,14 | | 12 | 12 |
| | | 15 | 13,15 | 29,30 | X,Y | 11,12 |
| | | 20,24 | | | 7,8 | 8,12 |
| | | 15,17 | | | | |
| 6WZ6ZF | PowerPlex® Fusion 6C | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | 8,9 | 11,12 | 16,23.2 | 7,8 |
| | | 15,17 | 11 | 17 | 18 | 8,12 |
| 6ZWUGM | PowerPlex® Fusion | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | 8,9 | 11,12 | | 7,8 |
| | | 15,17 | 11 | | | 8,12 |
| 7262JF | GlobalFiler™ | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | | 16,23.2 | 7,8 |
| | | 15,17 | 11 | | | 8,12 |
| | | | | | | 2 |
| 73JPK8 | GlobalFiler™ | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | | 16,23.2 | 7,8 |
| | | 15,17 | 11 | | | 8,12 |
| | | | | | | 2 |
| 7DZCU9 | PowerPlex® Fusion 5C | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | 8,9 | 11,12 | | 7,8 |
| | | 15,17 | 11 | | | 8,12 |
| 7JRGPX | Identifiler® Plus | | | | | |
| | | 17,23 | | 17 | 11 | |
| 2 | | 11,12 | 13,14 | | 12 | 12 |
| | | 15 | 13,15 | 29,30 | X,Y | 11,12 |
| | | 20,24 | | | 7,8 | 8,12 |
| | | 15,17 | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | |
|--------|----------------------|---------|-------|-------|---------|-------|
| 7KHM7N | GlobalFiler™ | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | | 16,23.2 | 7,8 |
| | | 15,17 | 11 | | | 2 |
| 7LXEAL | Identifiler® Plus | | | | | |
| | | | 17,23 | | 17,17 | 11,11 |
| 2 | | 11,12 | 13,14 | | | 12,12 |
| | | 15,15 | 13,15 | 29,30 | | X,Y |
| | | 20,24 | | | | 7,8 |
| | | 15,17 | | | | 8,12 |
| 7QAVQH | GlobalFiler™ | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | | 16,23.2 | 7,8 |
| | | 15,17 | 11 | | | 2 |
| 7X6V3P | NGM SElect | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17,17 | |
| 2 | | | 13,14 | 14,16 | 17,21 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | | 16,23.2 | 7,8 |
| | | 15,17 | | | | |
| 84TYBJ | PowerPlex® Fusion | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | 8,9 | 11,12 | | 7,8 |
| | | 15,17 | 11 | | | 8,12 |
| 88PGPY | PowerPlex® Fusion | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | 8,9 | 11,12 | | 7,8 |
| | | 15,17 | 11 | | | 8,12 |
| 9P6AR8 | Investigator® 24plex | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | | 16,23.2 | 7,8 |
| | | 15,17 | 11 | | | 8,12 |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | |
|--------|----------------------|-------|-------|---------|-------|-------|
| 9WNFNE | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| A2G2U8 | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| AJVDMX | GlobalFiler™ Express | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| AVCZWY | GlobalFiler™ Express | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| B2WFZW | GlobalFiler™ Express | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| B73BJW | GlobalFiler™ Express | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| BA7CVA | Identifiler® Plus | | | | | |
| | | 17,23 | | 17 | 11 | |
| 2 | 11,12 | 13,14 | | | 12 | 12 |
| | 15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | |
|--------|----------------------|-------|-------|---------|-------|-------|
| BDTEXU | Identifiler® Plus | | | | | |
| | | 17,23 | | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | | | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | |
| BMQL7Y | Identifiler® Plus | | | | | |
| | | 17,23 | | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | | | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | |
| BN472U | PowerPlex® 21 | | | | | |
| | 15,17.1 | 17,23 | | 17,17 | 11,11 | 13,18 |
| 2 | 11,12 | 13,14 | | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | | | | | |
| BN7NBL | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| BPEX64 | PowerPlex® Fusion 5C | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | |
| BTY4NY | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| BV83Y9 | GlobalFiler™ Express | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | |
|--------|---------------------------------|-------|-------|---------|-------|-------|
| C7HU29 | PowerPlex® Fusion 5C | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | |
| C8VLR4 | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| CD2M4E | Identifiler® | | | | | |
| | | 17,23 | | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | | | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | |
| CN2T6K | PowerPlex® Fusion | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | |
| CQMZHA | NGM | | | | | |
| | 15 OL /208.54bp/ | 17,23 | 10,14 | 17,17 | | |
| 2 | | 13,14 | 14,16 | 17,21 | | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | |
| | 20,24 | | | | 7,8 | |
| | 15,17 | | | | | |
| CQPB9R | PowerPlex® Fusion 6C | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | 17 | 18 | | |
| CY6BVB | Identifiler® 16, Plus (1708118) | | | | | |
| | | 17,23 | | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | | | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | |
|--------|----------------------|-------|-------|---------|-------|-------|
| D68ATY | PowerPlex® Fusion 6C | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | 17 | 18 | | |
| DCJQZY | Identifiler® Plus | | | | | |
| | | 17,23 | | 17 | 11 | |
| 2 | 11,12 | 13,14 | | | 12 | 12 |
| | 15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | |
| DHAZ9B | PowerPlex® Fusion | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | |
| ECKV2T | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| EMFWRB | PowerPlex® Fusion | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | |
| ERCB78 | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| EU4E89 | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | |
|--------|------------------------|-------|-------|---------|-------|-------|
| EYA94P | Identifiler® Plus | | | | | |
| | | 17,23 | | 17 | 11 | |
| 2 | 11,12 | 13,14 | | | 12 | 12 |
| | 15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | |
| EZPMHQ | PowerPlex® 21 (STRmix) | | | | | |
| | 15,17.1 | 17,23 | | 17,17 | 11,11 | 13,18 |
| 2 | 11,12 | 13,14 | | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | | | | | |
| F6VKGW | Identifiler® Plus | | | | | |
| | | 17,23 | | 17 | 11 | |
| 2 | 11,12 | 13,14 | | | 12 | 12 |
| | 15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | |
| F82AJ7 | PowerPlex® Fusion 6C | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | 17 | 18 | | |
| F8KWF3 | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| FD9GJH | PowerPlex® Fusion | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | |
| FDPRY3 | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | | |
|--------|--------------------------------------|---------|-------|-------|---------|-------|-------|
| FUD3L6 | GlobalFiler™ | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | | 15,17 | 11 | | | 2 | |
| FZ4DXN | Identifiler® Plus | | | | | | |
| | | | 17,23 | | 17 | 11 | |
| | 2 | 11,12 | 13,14 | | | 12 | 12 |
| | | 15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | | 20,24 | | | | 7,8 | 8,12 |
| | | 15,17 | | | | | |
| GB2GZW | PowerPlex® Fusion | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | | 15,17 | 11 | | | | |
| GBF62N | PowerPlex® Fusion | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | | 15,17 | 11 | | | | |
| GFF6ME | GlobalFiler™ | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | | 15,17 | 11 | | | 2 | |
| GVL6YA | Identifiler® Plus, PowerPlex® Fusion | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | | 15,17 | 11 | | | | |
| GWXC9B | PowerPlex® Fusion | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | | 15,17 | 11 | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | | |
|---------|-------------------|---------|-------|-------|---------|-------|-------|
| GXBW8D | PowerPlex® Fusion | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | | |
| H4W NXZ | Identifiler® Plus | | | | | | |
| | | | 17,23 | | 17 | 11 | |
| | 2 | 11,12 | 13,14 | | | 12 | 12 |
| | | 15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | | |
| H8A4CB | GlobalFiler™ | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | | |
| HMQW4N | PowerPlex® Fusion | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | | |
| HZAJAF | PowerPlex® Fusion | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | | |
| J47ME8 | PowerPlex® Fusion | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | | |
| J49DKP | GlobalFiler™ | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | |
|--------|----------------------|---------|-------|-------|---------|-------|
| JQP3A2 | Identifiler® Plus | | | | | |
| | | 17,23 | | 17 | 11 | |
| 2 | | 11,12 | 13,14 | | 12 | 12 |
| | | 15 | 13,15 | 29,30 | X,Y | 11,12 |
| | | 20,24 | | | 7,8 | 8,12 |
| | | 15,17 | | | | |
| K2FEXX | Identifiler® Plus | | | | | |
| | | 17,23 | | 17 | 11 | |
| 2 | | 11,12 | 13,14 | | 12 | 12 |
| | | 15 | 13,15 | 29,30 | X,Y | 11,12 |
| | | 20,24 | | | 7,8 | 8,12 |
| | | 15,17 | | | | |
| K4ACH6 | PowerPlex® Fusion | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | 8,9 | 11,12 | | 7,8 |
| | | 15,17 | 11 | | | 8,12 |
| KH9GMV | PowerPlex® Fusion 5C | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | 8,9 | 11,12 | | 7,8 |
| | | 15,17 | 11 | | | 8,12 |
| KRWCLB | GlobalFiler™ | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | | 16,23.2 | 7,8 |
| | | 15,17 | 11 | | | 8,12 |
| | | | | | | 2 |
| KTRQBP | GlobalFiler™ | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | | | 16,23.2 | 7,8 |
| | | 15,17 | 11 | | | 8,12 |
| | | | | | | 2 |
| KVR264 | PowerPlex® Fusion 5C | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 |
| 2 | | 11,12 | 13,14 | 14,16 | 17,21 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y |
| | | 20,24 | 8,9 | 11,12 | | 7,8 |
| | | 15,17 | 11 | | | 8,12 |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | | |
|--------|----------------------------------|---------|-------|-------|---------|-------|-------|
| KYC2BB | GlobalFiler™ | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | | 15,17 | 11 | | | 2 | |
| L2JJ8L | GlobalFiler™ | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | | 15,17 | 11 | | | 2 | |
| L3UZ8Z | Identifiler® | | | | | | |
| | | | 17,23 | | 17 | 11 | |
| | 2 | 11,12 | 13,14 | | | 12 | 12 |
| | | 15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | | 20,24 | | | | 7,8 | 8,12 |
| | | 15,17 | | | | | |
| L43HEP | Identifiler® Plus, PowerPlex® 21 | | | | | | |
| | | 15,17.1 | 17,23 | | 17,17 | 11,11 | 13,18 |
| | 2 | 11,12 | 13,14 | | 17,21 | 12,12 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | | 15,17 | | | | | |
| L44HC4 | PowerPlex® Fusion | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | | 15,17 | 11 | | | | |
| LE4AJA | GlobalFiler™ | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | | 15,17 | 11 | | | 2 | |
| LFYN9M | GlobalFiler™ | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | | 15,17 | 11 | | | 2 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | |
|--------|----------------------|-------|-------|---------|-------|-------|
| LHMZ8T | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| LQVWQP | Identifiler® | | | | | |
| | | 17,23 | | 17 | 11 | |
| 2 | 11,12 | 13,14 | | | 12 | 12 |
| | 15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | |
| LYBDLK | PowerPlex® Fusion 5C | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | |
| M6UZTV | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| M6Y97P | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| MCV479 | PowerPlex® Fusion | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | |
| MD6RAZ | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | |
|--------|----------------------|-------|-------|---------|-------|-------|
| MFEAHP | PowerPlex® Fusion | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | |
| MFR29K | GlobalFiler™ Express | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| N3ZUNP | PowerPlex® Fusion | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | |
| N9LPM8 | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| NMRTZE | PowerPlex® Fusion 6C | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | 17 | 18 | | |
| NY3237 | PowerPlex® Fusion | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | |
| NYK2XV | GlobalFiler™ Express | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | | |
|--------|----------------------|---------|-------|-------|---------|-------|-------|
| P7ZF2D | GlobalFiler™ | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | | 15,17 | 11 | | | 2 | |
| PTXPKE | Identifiler® Plus | | | | | | |
| | | | 17,23 | | 17,17 | 11,11 | |
| | 2 | 11,12 | 13,14 | | | 12,12 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | | 20,24 | | | | 7,8 | 8,12 |
| | | 15,17 | | | | | |
| PUL8BE | PowerPlex® Fusion | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | | 15,17 | 11 | | | | |
| Q3AH3L | GlobalFiler™ | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | | 15,17 | 11 | | | 2 | |
| Q7T6MZ | Identifiler® Plus | | | | | | |
| | | | 17,23 | | 17,17 | 11,11 | |
| | 2 | 11,12 | 13,14 | | | 12,12 | 12,12 |
| | | 15,15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | | 20,24 | | | | 7,8 | 8,12 |
| | | 15,17 | | | | | |
| Q8METG | GlobalFiler™ | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | | 15,17 | 11 | | | 2 | |
| QFG96T | GlobalFiler™ Express | | | | | | |
| | | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | | 15,17 | 11 | | | 2 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | |
|--------|--------------------------------------------|-------|-------|---------|-------|-------|
| QGARW2 | PowerPlex® Fusion 6C (RMP with Familias 3) | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | 17 | 18 | | |
| QJ37HB | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| QLM6NT | GlobalFiler™ Express | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| QPP9RW | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| RABYB7 | PowerPlex® Fusion | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | |
| RAR92L | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| RKP9FB | Identifiler® Plus | | | | | |
| | | 17,23 | | 17 | 11 | |
| 2 | 11,12 | 13,14 | | | 12 | 12 |
| | 15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | |
|--------|-------------------|-------|-------|---------|-------|-------|
| TUERLQ | Identifiler® Plus | | | | | |
| | | 17,23 | | 17 | 11 | |
| 2 | 11,12 | 13,14 | | | 12 | 12 |
| | 15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | |
| TUXWDH | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| U6PJNQ | Identifiler® Plus | | | | | |
| | | 17,23 | | 17 | 11 | |
| 2 | 11,12 | 13,14 | | | 12 | 12 |
| | 15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | |
| UBFTYN | Identifiler® Plus | | | | | |
| | | 17,23 | | 17 | 11 | |
| 2 | 11,12 | 13,14 | | | 12 | 12 |
| | 15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | |
| UQPCGT | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| VAWYHR | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| VKDJA4 | PowerPlex® Fusion | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | |
|--------|----------------------|-------|-------|---------|-------|-------|
| VQ4W4C | GlobalFiler™ Express | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| VQJFMA | PowerPlex® Fusion 5C | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | |
| VUNFYM | Identifiler® Plus | | | | | |
| | | 17,23 | | 17 | 11 | |
| 2 | 11,12 | 13,14 | | | 12 | 12 |
| | 15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | |
| WB44LM | Identifiler® Plus | | | | | |
| | | 17,23 | | 17 | 11 | |
| 2 | 11,12 | 13,14 | | | 12 | 12 |
| | 15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | |
| X8GGBR | PowerPlex® Fusion | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | |
| X8GGDC | Identifiler® | | | | | |
| | | 17,23 | | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | | | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | |
| X8NGK8 | PowerPlex® 21 | | | | | |
| | 15,17.1 | 17,23 | | 17,17 | 11,11 | 13,18 |
| 2 | 11,12 | 13,14 | | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | | |
|--------|----------------------|-------|-------|---------|-------|-------|-------|
| XL3UR8 | PowerPlex® Fusion | | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 | |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 | |
| | 15,17 | 11 | | | | | |
| XMH7F6 | GlobalFiler™ | | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | N/A | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 | |
| | 20,24 | N/A | N/A | 16,23.2 | 7,8 | 8,12 | |
| | 15,17 | 11 | N/A | N/A | 2 | | |
| XRCPWG | PowerPlex® Fusion 5C | | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 | |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 | |
| | 15,17 | 11 | | | | | |
| XUUAEQ | PowerPlex® Fusion | | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 | |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 | |
| | 15,17 | 11 | | | | | |
| XUW83N | Identifiler® Plus | | | | | | |
| | | 17,23 | | 17 | 11 | | |
| | 2 | 11,12 | 13,14 | | 12 | 12 | |
| | 15 | 13,15 | 29,30 | | X,Y | 11,12 | |
| | 20,24 | | | | 7,8 | 8,12 | |
| | 15,17 | | | | | | |
| XYN74G | PowerPlex® Fusion 5C | | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 | |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 | |
| | 15,17 | 11 | | | | | |
| YB2J74 | GlobalFiler™ | | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | | |
| | 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 | |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 | |
| | 15,17 | 11 | | 2 | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | |
|--------|----------------------------------|-------|-------|---------|-------|-------|
| YLFKFH | PowerPlex® ESI-16 | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | | |
| 2 | | 13,14 | 14,16 | 17,21 | | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | |
| | 20,24 | | | | 7,8 | |
| | 15,17 | | | | | |
| ZA4QL6 | Identifiler® Plus (STRmix) | | | | | |
| | | 17,23 | | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | | | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | |
| ZCTEAK | Identifiler® Plus | | | | | |
| | | 17,23 | | 17 | 11 | |
| 2 | 11,12 | 13,14 | | | 12 | 12 |
| | 15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | |
| ZHXATK | PowerPlex® Fusion 5C, NGM SElect | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | | |
| ZMCCA4 | GlobalFiler™ | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | 2 | |
| ZPDNKA | PowerPlex® 16 HS | | | | | |
| | | | | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | | | 12,12 | 12,12 |
| | 15,15 | | 29,30 | | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | | | | | |
| ZR2ZJF | PowerPlex® Fusion 5C | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17,17 | 11,11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12,12 | 12,12 |
| | 15,15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | 8,9 | 11,12 | | 7,8 | 8,12 |
| | 15,17 | 11 | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 2 - STR Results

| | | | | | | |
|--------|----------------------|-------|-------|---------|-----|-------|
| ZV32JC | Identifiler® Plus | | | | | |
| | | 17,23 | | 17 | 11 | |
| 2 | 11,12 | 13,14 | | | 12 | 12 |
| | 15 | 13,15 | 29,30 | | X,Y | 11,12 |
| | 20,24 | | | | 7,8 | 8,12 |
| | 15,17 | | | | | |
| ZX7W4F | Investigator® 24plex | | | | | |
| | 15,17.1 | 17,23 | 10,14 | 17 | 11 | |
| 2 | 11,12 | 13,14 | 14,16 | 17,21 | 12 | 12 |
| | 15 | 13,15 | 29,30 | 14,17 | X,Y | 11,12 |
| | 20,24 | | | 16,23.2 | 7,8 | 8,12 |
| | 15,17 | 11 | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|-------------------|-----------|------------|------------|------------|-----------|
| 22ME94 | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | | 8,12 | 13,14 | | 12,12 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | X,X | 7,11 |
| | | 24,25 | | | 6,7 | 11,11 |
| | | 17,18 | | | | |
| 2932UT | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | 18,29.2 | 6,7 | 11,11 |
| | | 17,18 | NR | | NR | |
| 29HLEP | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | 9,14 | 11,15 | 6,7 | 11 |
| | | 17,18 | | | | |
| 2EV7QH | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | | 18,29.2 | 6,7 | 11 |
| | | 17,18 | NR | | NR | |
| 2VHK4A | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | 9,14 | 11,15 | 18,29.2 | 6,7 |
| | | 17,18 | | | | 11 |
| 2XLHDG | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | 18,29.2 | 6,7 | 11,11 |
| | | 17,18 | | | | |
| 33T7QJ | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | Not Tested | Not Tested | 18,29.2 | 6,7 |
| | | 17,18 | No Result | Not Tested | Not Tested | No Result |
| | | | | | | 11 |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|-------------------|-----------|-------|---------|---------|-------|
| 38NWWU | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | - | | | - |
| 39X8NR | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | | | | 11 |
| 3BN73P | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | 9,14 | 11,15 | | 6,7 |
| | | 17,18 | | | | 11 |
| 3HNMH3 | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | 9,14 | 11,15 | | 6,7 |
| | | 17,18 | NR | | | 11 |
| 3TQW8Z | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | | | | 11,11 |
| 3UZ4AT | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | | | | 11,11 |
| 3VBUCH | NGMSE | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | |
| 3 | | 8,12 | 13,14 | 15,16 | 18,18 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|-------------------|-----------|-------|---------|---------|-------|
| 43BPW2 | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | | | | 11,11 |
| 4K7AMU | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | 9,14 | 11,15 | | 6,7 |
| | | 17,18 | | | | 11 |
| 4L3MAM | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | 9,14 | 11,15 | | 6,7 |
| | | 17,18 | | | | 11 |
| 4QEPWJ | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | | | | 11 |
| 62A26P | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | | | | 11 |
| 6FRJQL | Identifiler® | | | | | |
| | | | 17,23 | | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | | | 12,12 |
| | | 12,17 | 13,13 | 29,31.2 | | X,X |
| | | 24,25 | | | | 6,7 |
| | | 17,18 | | | | 11,11 |
| 6KPNE6 | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | | | | 11,11 |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|-------------------------------|-----------|-------|---------|---------|-------|
| 6LGYGD | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | | 8,12 | 13,14 | | 12 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | X | 7,11 |
| | | 24,25 | | | 6,7 | 11 |
| | | 17,18 | | | | |
| 6WZ6ZF | PowerPlex® Fusion 6C (STRmix) | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | 9,14 | 11,15 | 18,29.2 | 6,7 |
| | | 17,18 | | | | 11,11 |
| 6ZWUGM | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | 9,14 | 11,15 | | 6,7 |
| | | 17,18 | | | | 11 |
| 7262JF | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | | | | 11 |
| 73JPK8 | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | | | | 11 |
| 7DZCU9 | PowerPlex® Fusion 5C | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | 9,14 | 11,15 | | 6,7 |
| | | 17,18 | | | | 11,11 |
| 7JRGPX | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | | 8,12 | 13,14 | | 12 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | X,X | 7,11 |
| | | 24,25 | | | 6,7 | 11 |
| | | 17,18 | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|----------------------|-----------|-------|---------|---------|-------------|
| 7KHM7N | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X 7,11 |
| | | 24,25 | | | 18,29.2 | 6,7 11,11 |
| | | 17,18 | | | | |
| 7LXEAL | Identifiler® Plus | | | | | |
| | | | 17,23 | | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | | | 12,12 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | | X,X 7,11 |
| | | 24,25 | | | | 6,7 11,11 |
| | | 17,18 | | | | |
| 7QAVQH | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X 7,11 |
| | | 24,25 | | | 18,29.2 | 6,7 11,11 |
| | | 17,18 | | | | |
| 7X6V3P | NGM SElect | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | |
| 3 | | | 13,14 | 15,16 | 18,18 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | | | | |
| 84TYBJ | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 12 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X 7,11 |
| | | 24,25 | 9,14 | 11,15 | | 6,7 11 |
| | | 17,18 | | | | |
| 88PGPY | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 12 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X 7,11 |
| | | 24,25 | 9,14 | 11,15 | | 6,7 11 |
| | | 17,18 | NR | | | |
| 9P6AR8 | Investigator® 24plex | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 12 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X 7,11 |
| | | 24,25 | | | 18,29.2 | 6,7 11 |
| | | 17,18 | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|-------------------|------------|---------|---------|------------|-------|
| 9WNFNE | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| A2G2U8 | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | NR | | | NR | |
| AJVDMX | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | NR | | | NR | |
| AVCZWY | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | NR | | | NR | |
| B2WFZW | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | no results | | | no results | |
| B73BJW | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | No results | | | No results | |
| BA7CVA | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|----------------------|-------|---------|---------|-------|---------|
| BDTEXU | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| BMQL7Y | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| BN472U | PowerPlex® 21 | | | | | |
| | 16.3,17.3 | 17,23 | | 14,15 | 7,12 | 12,21.3 |
| 3 | 8,12 | 13,14 | | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| BN7NBL | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | - | | | - | |
| BPEX64 | PowerPlex® Fusion 5C | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| BTY4NY | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |
| BV83Y9 | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | NR | | | NR | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|---------------------------------|-------|---------|---------|-------|-------|
| C7HU29 | PowerPlex® Fusion 5C | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| C8VLR4 | GlobalFiler™ | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| CD2M4E | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| CN2T6K | PowerPlex® Fusion | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| CQMZHA | NGM | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | | |
| 3 | | 13,14 | 15,16 | 18,18 | | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | |
| | 24,25 | | | | 6,7 | |
| | 17,18 | | | | | |
| CQPB9R | PowerPlex® Fusion 6C | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | ND | ND | ND | | |
| CY6BVB | Identifiler® 16, Plus (1708118) | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11,11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|----------------------------------------------|-------|---------|---------|-------|-------|
| D68ATY | PowerPlex® Fusion 6C (LRmix Studio v. 2.1.3) | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |
| DCJQZY | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| DHAZ9B | PowerPlex® Fusion | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| ECKV2T | GlobalFiler™ (STRmix) | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |
| EMFWRB | PowerPlex® Fusion | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| ERCB78 | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| EU4E89 | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|-------------------------------|-------|---------|---------|-------|---------|
| EYA94P | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| EZPMHQ | PowerPlex® 21 (STRmix) | | | | | |
| | 16.3,17.3 | 17,23 | | 14,15 | 7,12 | 12,21.3 |
| 3 | 8,12 | 13,14 | | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| F6VKGW | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| F82AJ7 | PowerPlex® Fusion 6C (STRMix) | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |
| F8KWF3 | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | NR | | | NR | |
| FD9GJH | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| FDPRY3 | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | --- | | | --- | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|--------------------------------------|------------|---------|--------------|---------|-------|
| FUD3L6 | GlobalFiler™ (Lab Retriever) | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| FZ4DXN | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| GBF62N | PowerPlex® Fusion | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | NR | | | | |
| GFF6ME | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15,[17] | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18,[21] | 12,12 | 11,13 |
| | 12,[15],17 | 13,13,[15] | 29,31.2 | 11,17 | X,X,[Y] | 7,11 |
| | 24,25 | | | [16],18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | [2] | |
| GVL6YA | Identifiler® Plus, PowerPlex® Fusion | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| GWXC9B | PowerPlex® Fusion | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| GXBW8D | PowerPlex® Fusion | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|---------|-------------------|-------|---------|---------|-------|-------|
| H4W NXZ | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| H8A4CB | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | XX | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | NR | | | NR | |
| HMqw4N | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | NR | | | | |
| HZAJAF | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| J47ME8 | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| J49DKP | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| JQP3A2 | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|----------------------|-------|---------|---------|-------|-------|
| K2FEXX | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| K4ACH6 | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| KH9GMV | PowerPlex® Fusion 5C | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| KRWCLB | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| KTRQBP | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| KVR264 | PowerPlex® Fusion 5C | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| KYC2BB | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|----------------------------------|-----------|-------|---------|---------|-------|
| L2JJ8L | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| | 3 | 8,12 | 13,14 | 15,16 | 18 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | 17,18 | | | | 11 | |
| L3UZ8Z | Identifiler® | | | | | |
| | | | 17,23 | | 14,15 | 7,12 |
| | 3 | 8,12 | 13,14 | | | 11,13 |
| | | 12,17 | 13 | 29,31.2 | | X |
| | | 24,25 | | | | 6,7 |
| | 17,18 | | | | 11 | |
| L43HEP | Identifiler® Plus, PowerPlex® 21 | | | | | |
| | | 16.3,17.3 | 17,23 | | 14,15 | 7,12 |
| | 3 | 8,12 | 13,14 | | 18,18 | 12,12 |
| | | 12,17 | 13,13 | 29,31.2 | | X,X |
| | | 24,25 | 9,14 | 11,15 | | 6,7 |
| | 17,18 | | | | 11,11 | |
| L44HC4 | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| | 3 | 8,12 | 13,14 | 15,16 | 18 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | 9,14 | 11,15 | | 6,7 |
| | 17,18 | | | | 11 | |
| LE4AJA | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| | 3 | 8,12 | 13,14 | 15,16 | 18 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | 17,18 | - | | | - | |
| LFYN9M | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| | 3 | 8,12 | 13,14 | 15,16 | 18 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | 17,18 | | | | 11 | |
| LHMZ8T | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| | 3 | 8,12 | 13,14 | 15,16 | 18 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | 17,18 | | | | 11 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|----------------------|-----------|-------|---------|---------|-------|
| LQVWQP | Identifiler® | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | | 8,12 | 13,14 | | 12 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | X | 7,11 |
| | | 24,25 | | | 6,7 | 11 |
| | | 17,18 | | | | |
| LYBDLK | PowerPlex® Fusion 5C | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | 9,14 | 11,15 | 6,7 | 11 |
| | | 17,18 | NR | | | |
| M6UZTV | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | NR | | | 11,11 |
| | | | | | NR | |
| M6Y97P | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | | | | 11,11 |
| MCV479 | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | 9,14 | 11,15 | 6,7 | 11 |
| | | 17,18 | | | | |
| MD6RAZ | GlobalFiler™ | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | | | 18,29.2 | 6,7 |
| | | 17,18 | | | | 11 |
| MFEAHP | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 3 | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | 9,14 | 11,15 | 6,7 | 11 |
| | | 17,18 | - | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|----------------------|-----------|---------|---------|-----------|-------|
| MFR29K | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | NR | | | NR | |
| N3ZUNP | PowerPlex® Fusion | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| N9LPM8 | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| NMRTZE | PowerPlex® Fusion 6C | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | ND | ND | ND | | |
| NY3237 | PowerPlex® Fusion | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| NYK2XV | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | No Result | | | No Result | |
| P7ZF2D | GlobalFiler™ | | | | | |
| | 16,3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|-------------------------------------|------------|---------|---------|------------|-------|
| PTXPKE | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| PUL8BE | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| Q3AH3L | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| Q7T6MZ | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| Q8METG | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| QFG96T | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | no results | | | no results | |
| QGARW2 | PowerPlex® Fusion 6C (LRMix Studio) | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|-------------------|-----------|---------|---------|-----------|-------|
| QJ37HB | GlobalFiler™ | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |
| QLM6NT | GlobalFiler™ | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | No Result | | | No Result | |
| QPP9RW | GlobalFiler™ | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| RABYB7 | PowerPlex® Fusion | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| RAR92L | GlobalFiler™ | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| RKP9FB | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| TUERLQ | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|-------------------|-------|---------|---------|-------|-------|
| TUXWDH | GlobalFiler™ | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |
| U6PJNQ | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| UBFTYN | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| UQPCGT | GlobalFiler™ | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| VAWYHR | GlobalFiler™ | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| VKDJA4 | PowerPlex® Fusion | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | NR | | | | |
| VQ4W4C | GlobalFiler™ | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | NR | | | NR | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|----------------------|-------|---------|---------|-------|---------|
| VQJFMA | PowerPlex® Fusion 5C | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | NR | | | | |
| VUNFYM | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| WB44LM | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| X8GGBR | PowerPlex® Fusion | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | |
| X8GGDC | Identifiler® | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| X8NGK8 | PowerPlex® 21 | | | | | |
| | 16,3,17,3 | 17,23 | | 9,14,15 | 7,12 | 12,21.3 |
| 3 | 8,12 | 13,14 | | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| XL3UR8 | PowerPlex® Fusion | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | NR | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | | |
|--------|----------------------|-----------|-------|---------|---------|-------|-------|
| XMH7F6 | GlobalFiler™ | | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | N/A |
| | 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | | 24,25 | N/A | N/A | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | N/A | N/A | N/A | N/A | | |
| XRCPWG | PowerPlex® Fusion 5C | | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| | 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | | | | | | |
| XUUAEQ | PowerPlex® Fusion | | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| | 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | | | | | | |
| XUW83N | Identifiler® Plus | | | | | | |
| | | | 17,23 | | 14,15 | 7,12 | |
| | 3 | 8,12 | 13,14 | | | 12 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | | |
| XYN74G | PowerPlex® Fusion 5C | | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| | 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | Neg. | | | | | |
| YB2J74 | GlobalFiler™ | | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| | 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | | |
| YLKFBH | PowerPlex® ESI-16 | | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | | |
| | 3 | | 13,14 | 15,16 | 18,18 | | 11,13 |
| | | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | |
| | | 24,25 | | | | 6,7 | |
| | 17,18 | | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|----------------------------|-------|---------|---------|-------|-------|
| ZA4QL6 | Identifiler® Plus (STRmix) | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| ZCTEAK | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| ZHXATK | PowerPlex® Fusion 5C, NGM | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | - | | | | |
| ZMCCA4 | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11,11 |
| | 17,18 | | | | | |
| ZPDNKA | PowerPlex® 16 HS | | | | | |
| | | | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12,12 | 11,13 |
| | 12,17 | | 29,31.2 | | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| ZR2ZJF | PowerPlex® Fusion 5C | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | --- | | | | |
| ZV32JC | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3 - STR Results

| | | | | | | |
|--------|----------------------|-------|---------|---------|------|-------|
| ZX7W4F | Investigator® 24plex | | | | | |
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3 | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3e - STR Results

| GB2GZW | PowerPlex® Fusion | | | | | |
|--------|-------------------|-------|---------|-------|-------|-------|
| | 16,3,17,3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 3e | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|-------------|--------------------------------------------------------|----------------|-----------------|-----------------|-------------------|----------------|
| | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| Item | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 3sp - STR Results

GB2GZW PowerPlex® Fusion

3sp

| |
|--|
| |
| |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4 - STR Results

| | | | | | | |
|--------|---------------------------------|-----------------|--------------|-----------------------|-----------|---------------|
| 43BPW2 | GlobalFiler™ | | | | | |
| | 14,[16.3],17.3 | [17],20,22 | 10,14 | [14],[15],16,18 | [7],11,12 | |
| 4 | [8],11,[12] | 13,14 | 14,[15],[16] | 17,[18],21 | 8,12 | 8,9,[11],[13] |
| | [12],15,[17],18 | [13],14 | [29],30,31.2 | [11],15,16,[17] | X,Y | 10,11 |
| | 20,[24],25 | | | [18],25.2,[29.2],30.2 | [6],7,9.3 | 10,11 |
| | 14,[17],18 | 11 | | | 2 | |
| 6WZ6ZF | PowerPlex® Fusion 6C | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4 | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | 18 | 19 | | |
| 7JRGPX | Identifiler® Plus | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4 | 8,11,12 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | | X,Y | 7,10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |
| 7LXEAL | Identifiler® Plus | | | | | |
| | | 20,22 | | 16,18 | 11,12 | |
| 4 | 11,11 | 13,14 | | | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | | X,Y | 10,11 |
| | 20,25 | | | | 7,9.3 | 10,11 |
| | 14,18 | | | | | |
| 7X6V3P | NGM SElect | | | | | |
| | 14,[16.3],17.3 | [17],20,22,[23] | 10,14 | [14],[15],16,18 | | |
| 4 | [8],11,[12] | 13,14 | 14,[15],[16] | 17,[18],21 | | 8,9,[11],[13] |
| | [12],15,[17],18 | [13],14 | [29],30,31.2 | [11],15,16,[17] | X,Y | |
| | 20,[24],25 | | | [18],25.2,[29.2],30.2 | [6],7,9.3 | |
| | 14,[17],18 | | | | | |
| CY6BVB | Identifiler® 16, Plus (1708118) | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4 | 8,11,12 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | | X,Y | 7,10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |
| EYA94P | Identifiler® Plus | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4 | 8,11,12 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | | X,Y | 7,10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4 - STR Results

| | | | | | | |
|--------|--------------------------------------|-------------|-------------|-------------------|---------|-----------|
| FZ4DXN | Identifiler® Plus | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4 | 8,11,12 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | | X,Y | 7,10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |
| GVL6YA | Identifiler® Plus, PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4 | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| MFEAHP | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4 | 8,11 | 13,14 | 14,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| QGARW2 | PowerPlex® Fusion 6C (LRMix Studio) | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4 | 11 | 13,14 | 14,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | 18 | 19 | | |
| RKP9FB | Identifiler® Plus | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4 | 8,11,12 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | | X,Y | 7,10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |
| X8GGDC | Identifiler® | | | | | |
| | | 20,22 | | 16,18 | 11,12 | |
| 4 | 11,11 | 13,14 | | | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | | X,Y | 10,11 |
| | 20,25 | | | | 7,9.3 | 10,11 |
| | 14,18 | | | | | |
| ZV32JC | Identifiler® Plus | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4 | 8,11,12 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | | X,Y | 7,10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|-------------------|--------------|-------------|-------------|-------------------|-----------|
| 22ME94 | Identifiler® Plus | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4e | | 8,11,12 | 13,14 | | 8,12 | 8,9,11,13 |
| | | 12,15,17,18 | 13,14 | 29,30,31.2 | X,Y | 7,11 |
| | | 20,24,25 | | | 6,7,9.3 | 11 |
| | | 14,17,18 | | | | |
| 2932UT | GlobalFiler™ | | | | | |
| | | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 |
| 4e | | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 |
| | | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y |
| | | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 |
| | | 14,17,18 | 11 | | | 2 |
| 29HLEP | PowerPlex® Fusion | | | | | |
| | | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 |
| 4e | | 8,11,12 | 13,14 | 14,15,16 | 18,21 | 8,12 |
| | | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y |
| | | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 |
| | | 14,17,18 | 11 | | | 10,11 |
| 2EV7QH | GlobalFiler™ | | | | | |
| | | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 |
| 4e | | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 |
| | | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y |
| | | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 |
| | | 14,17,18 | 11 | | | 2 |
| 2VHK4A | PowerPlex® Fusion | | | | | |
| | | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 |
| 4e | | 8,12 | 13,14 | 15,16 | 18 | 12 |
| | | 12,17 | 13 | 29,31.2 | 11,17 | X |
| | | 24,25 | 9,14 | 11,15 | 18,29.2 | 6,7 |
| | | 17,18 | | | | 11 |
| 2XLHDG | GlobalFiler™ | | | | | |
| | | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 |
| 4e | | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 |
| | | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y |
| | | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 |
| | | 14,17,18 | 11 | | | 2 |
| 33T7QJ | GlobalFiler™ | | | | | |
| | | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 |
| 4e | | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 |
| | | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y |
| | | 20,24,25 | Not Tested | Not Tested | 18,25.2,29.2,30.2 | 6,7,9.3 |
| | | 14,17,18 | 11 | Not Tested | Not Tested | 2 |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|-------------------|-----------------|--------------|-----------------------|-----------|---------------|
| 38NWWU | GlobalFiler™ | | | | | |
| | [14],16.3,17.3 | 17,[20],[22],23 | 10,14 | 14,15,[16],[18] | 7,[11],12 | |
| 4e | 8,[11],12 | 13,14 | [14],15,16 | [17],18,[21] | [8],12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,[14] | 29,[30],31.2 | 11,[15],[16],17 | X,[Y] | 7,[10],11 |
| | [20],24,25 | | | 18,[25.2],29.2,[30.2] | 6,7,[9.3] | [10],11 |
| | [14],17,18 | 11 | | | 2 | |
| 39X8NR | GlobalFiler™ | | | | | |
| | 14,[16.3],17.3 | [17],20,22,[23] | 10,14 | [14],15,16,18 | [7],11,12 | |
| 4e | [8],11,[12] | 13,14 | 14,[15],16 | 17,18,21 | 8,12 | 8,9,[11],13 |
| | [12],15,[17],18 | [13],14 | [29],30,31.2 | [11],15,16,[17] | X,[Y] | [7],10,11 |
| | 20,[24],25 | | | [18],25.2,[29.2],30.2 | [6],7,9.3 | [10],11 |
| | 14,[17],18 | 11 | | | 2 | |
| 3BN73P | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| 3HNMH3 | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17,[20],[22],23 | 10,14 | 14,15,[16],[18] | 7,[11],12 | |
| 4e | 8,[11],12 | 13,14 | [14],15,16 | 18,[21] | [8],12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,[14] | 29,31.2 | 11,[15],[16],17 | X,[Y] | 7,[10],11 |
| | [20],24,25 | 9,14 | [10],11,15 | | 6,7,[9.3] | [10],11 |
| | [14],17,18 | NR | | | | |
| 3TQW8Z | GlobalFiler™ | | | | | |
| | [14],16.3,17.3 | 17,[20],[22],23 | 10,14 | 14,15,[16],[18] | 7,[11],12 | |
| 4e | 8,[11],12 | 13,14 | [14],15,16 | 18,18,[21] | [8],12,12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,13,[14] | 29,[30],31.2 | 11,[15],[16],17 | X,X,[Y] | 7,[10],11 |
| | [20],24,25 | | | 18,[25.2],29.2,[30.2] | 6,7,[9.3] | [10],11,11 |
| | [14],17,18 | [11] | | | [2] | |
| 3UZ4AT | GlobalFiler™ | | | | | |
| | [14],16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,[16],[18] | 7,[11],12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 18,[21] | [8],12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,14 | 29,[30],31.2 | 11,[15],[16],17 | X,[Y] | 7,[10],11 |
| | [20],24,25 | | | 18,[25.2],29.2,[30.2] | 6,7,9.3 | [10],11 |
| | [14],17,18 | [11] | | | [2] | |
| 3VBUCH | ESI | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | |
| | 14,17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|-------------------|-----------------|--------------|-----------------------|-----------|---------------|
| 4K7AMU | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| 4L3MAM | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| 4QEPWJ | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| 62A26P | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 4e | 8,12 | 13,14 | 15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | | | | | |
| 6FRJQL | Identifiler® | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,15,17 | 13,14 | 29,30,31.2 | | X,Y | 7,10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |
| 6KPNE6 | GlobalFiler™ | | | | | |
| | [14],16.3,17.3 | 17,[20],[22],23 | 10,14 | 14,15,[16],[18] | 7,[11],12 | |
| 4e | 8,[11],12 | 13,14 | [14],15,16 | 18,18 | [8],12,12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,13,[14] | 29,[30],31.2 | 11,[15],[16],17 | X,X,[Y] | 7,[10],11 |
| | [20],24,25 | | | 18,[25.2],29.2,[30.2] | 6,7,[9.3] | 11,11 |
| | [14],17,18 | [11] | | | [2] | |
| 6LGYGD | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | | | 12 | 8,11,13 |
| | 12,15,17 | 13,14 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7,9.3 | 10,11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|----------------------|-------------|-------------|-------------------|---------|-----------|
| 6ZWUGM | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| 7262JF | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| 73JPK8 | GlobalFiler™ | | | | | |
| | 16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| 7DZCU9 | PowerPlex® Fusion 5C | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| 7KHM7N | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| 7QAVQH | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| 84TYBJ | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|----------------------|-----------------|--------------|-----------------------|-----------|---------------|
| 88PGPY | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| 9P6AR8 | Investigator® 24plex | | | | | |
| | [14],16.3,17.3 | 17,[20],23 | 10,14 | 14,15,[18] | 7,12 | |
| 4e | 8,[11],12 | 13,14 | [14],15,16 | 18,[21] | [8],12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,[14] | 29,31.2 | 11,[15],17 | X,[Y] | 7,[10],11 |
| | [20],24,25 | | | 18,[25.2],29.2,[30.2] | 6,7,[9.3] | [10],11 |
| | [14],17,18 | [11] | | | | |
| 9WNFNE | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| A2G2U8 | GlobalFiler™ | | | | | |
| | [14],16.3,17.3 | 17,[20],[22],23 | 10,14 | 14,15,[16],[18] | 7,[11],12 | |
| 4e | 8,[11],12 | 13,14 | [14],15,16 | [17],18,18,[21] | [8],12,12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,13,[14] | 29,[30],31.2 | 11,[15],[16],17 | X,X,[Y] | 7,[10],11 |
| | [20],24,25 | | | 18,[25.2],29.2,[30.2] | 6,7,[9.3] | [10],11,11 |
| | [14],17,18 | [11] | | | [2] | |
| AJVDMX | GlobalFiler™ | | | | | |
| | (14),16.3,17.3 | 17,(20,22),23 | 10,14 | 14,15,(16,18) | 7,(11),12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | (17),18,(21) | (8),12 | (8,9),11,13 |
| | 12,(15),17,(18) | 13,(14) | 29,(30),31.2 | 11,(15,16),17 | X,(Y) | 7,(10),11 |
| | (20),24,25 | | | 18,(25.2),29.2,(30.2) | 6,7,(9.3) | (10),11 |
| | (14),17,18 | (11) | | | (2) | |
| AVCZWY | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| B2WFZW | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|----------------------|-----------------|--------------|-----------------------|------------|---------------|
| B73BJW | GlobalFiler™ | | | | | |
| | (14),16.3,17.3 | 17,(20,22),23 | 10,14 | 14,15,(16) | 7,(11),12 | |
| 4e | 8,(11),12 | 13,14 | (14),15,16 | 18 | (8),12 | (8,9),11,13 |
| | 12,(15),17,(18) | 13,(14) | 29,(30),31.2 | 11,(15,16),17 | X,(Y) | 7,(10),11 |
| | (20),24,25 | | | 18,(25.2),29.2,(30.2) | 6,7,(9.3) | 11 |
| | (14),17,18 | (11) | | | No results | |
| BA7CVA | Identifiler® Plus | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | | X,Y | 7,10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |
| BDTEXU | Identifiler® Plus | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | | X,Y | 7,10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 11 |
| | 14,17,18 | | | | | |
| BMQL7Y | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 4e | 8,12 | 13,14 | | | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11,11 |
| | 17,18 | | | | | |
| BN472U | PowerPlex® 21 | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | 11,12,21.3 |
| 4e | 8,11,12 | 13,14 | | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |
| BN7NBL | GlobalFiler™ | | | | | |
| | [14],16.3,17.3 | 17,[20],[22],23 | 10,14 | 14,15,[16],[18] | 7,[11],12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | [17],18,[21] | [8],12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,14 | 29,[30],31.2 | 11,[15],[16],17 | X,[Y] | 7,[10],11 |
| | [20],24,25 | | | 18,[25.2],29.2,[30.2] | 6,7,[9.3] | [10],11 |
| | [14],17,18 | 11 | | | 2 | |
| BPEX64 | PowerPlex® Fusion 5C | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|----------------------|-----------------|--------------|-----------------------|-----------|---------------|
| BTY4NY | GlobalFiler™ | | | | | |
| | [14],16.3,17.3 | 17,[20],[22],23 | 10,14 | 14,15,[16],[18] | 7,[11],12 | |
| | 4e 8,[11],12 | 13,14 | [14],15,16 | 18,18,[21] | [8],12,12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,13,[14] | 29,[30],31.2 | 11,[15],[16],17 | X,X,[Y] | 7,[10],11 |
| | [20],24,25 | | | 18,[25.2],29.2,[30.2] | 6,7,[9.3] | [10],11,11 |
| | [14],17,18 | [11] | | [2] | | |
| BV83Y9 | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| | 4e 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | 2 | | |
| C7HU29 | PowerPlex® Fusion 5C | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| | 4e 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| C8VLR4 | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| | 4e 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | 2 | | |
| CD2M4E | Identifiler® | | | | | |
| | | 17,20,22,23 | | 15,16,18 | 11,12 | |
| | 4e 11,12 | 13,14 | | | 8,12 | 8,9,13 |
| | 17,18 | 13,14 | 30,31.2 | | X,Y | 7,10,11 |
| | 20,25 | | | | 6,7,9.3 | 10,11 |
| | 14,18 | | | | | |
| CN2T6K | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16 | 7,11,12 | |
| | 4e 8,11,12 | 13,14 | 14,15,16 | 18 | 12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,31.2 | 11,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 9,14 | 10,11,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |
| CQMZHA | NGM | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | | |
| | 4e 8,11,12 | 13,14 | 15,16 | 18,18 | | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | |
| | 24,25 | | | | 6,7 | |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|----------------------------------------------|-------------|-------------|-------------------|---------|-----------|
| CQPBR | PowerPlex® Fusion 6C | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | 18 | 19 | | |
| D68ATY | PowerPlex® Fusion 6C (LRmix Studio v. 2.1.3) | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | 18 | 19 | | |
| DCJQZY | Identifiler® Plus | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | | X,Y | 7,10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |
| DHAZ9B | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17,22,23 | 10,14 | 14,15,16 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7,9.3 | 11 |
| | 17,18 | | | | | |
| ECKV2T | GlobalFiler™ (STRmix) | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| EMFWRB | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| ERCB78 | GlobalFiler™ | | | | | |
| | 14,17.3 | 20 | 10,14 | 14,15,16,18 | 11,12 | |
| 4e | 11 | 13,14 | 14,15,16 | 18,21 | 8,12 | 8,9,13 |
| | 12,15,17 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 10,11 |
| | 20,24,25 | | | 29.2 | 6,7,9.3 | 10,11 |
| | 17,18 | | | | 2 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|------------------------|-----------------|--------------|-----------------------|-----------|---------------|
| EU4E89 | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 11,13 |
| | 12,17 | 13,14 | 29,31.2 | 11,16,17 | X | 7,10,11 |
| | 20,24,25 | | | 18,29.2 | 6,7,9.3 | 11 |
| | 17,18 | | | | | |
| EZPMHQ | PowerPlex® 21 (STRmix) | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | 11,12,21.3 |
| 4e | 8,11,12 | 13,14 | | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |
| F6VKGW | Identifiler® Plus | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | | X,Y | 7,10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |
| F82AJ7 | PowerPlex® Fusion 6C | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 11,13,15 | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| F8KWF3 | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| FD9GJH | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| FDPRY3 | GlobalFiler™ | | | | | |
| | [14],16.3,17.3 | 17,[20],[22],23 | 10,14 | 14,15,[16],[18] | 7,[11],12 | |
| 4e | 8,[11],12 | 13,14 | [14],15,16 | [17],18,18,[21] | [8],12,12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,13,[14] | 29,[30],31.2 | 11,[15],[16],17 | X,X,[Y] | 7,[10],11 |
| | [20],24,25 | | | 18,[25.2],29.2,[30.2] | 6,7,[9.3] | [10],11,11 |
| | [14],17,18 | [11] | | | [2] | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|-------------------|-------------|--------------|-----------------------|-----------|---------------|
| FUD3L6 | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,[Y] | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| GB2GZW | PowerPlex® Fusion | | | | | |
| 4e | | 13 | | | | 13 |
| | 12 | | | | X,X | |
| GBF62N | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | NR | | | | |
| GFF6ME | GlobalFiler™ | | | | | |
| | [14],16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,[16],[18] | 7,[11],12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 18,18,[21] | 8,12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,14 | 29,[30],31.2 | 11,[15],[16],17 | X,X,[Y] | 7,[10],11 |
| | [20],24,25 | | | 18,[25.2],29.2,[30.2] | 6,7,9.3 | [10],11,11 |
| | [14],17,18 | [11] | | | [2] | |
| GWXC9B | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17 | 13,14 | 29,31.2 | 11,15,17 | X,Y | 7,11 |
| | 20,24,25 | 6,9,14 | 10,11,13,15 | | 6,7,9.3 | 11 |
| | 14,17,18 | 11 | | | | |
| GXBW8D | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| H4WNXZ | Identifiler® Plus | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4e | 8,12 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,17 | 13,14 | 29,31.2 | | X | 7,10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|-------------------|-----------------|-----------------|-----------------------|-----------|---------------|
| H8A4CB | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| HMQW4N | PowerPlex® Fusion | | | | | |
| | (14),16.3,17.3 | 17,(20),(22),23 | 10,14 | 14,15,(16),(18) | 7,(11),12 | |
| 4e | 8,(11),12 | 13,14 | (14),15,16 | (17),18,(21) | (8),12 | (8),(9),11,13 |
| | 12,(15),17,(18) | 13,(14) | 29,(30),31.2 | 11,(15),(16),17 | X,(Y) | 7,(10),11 |
| | (20),24,25 | (6),9,(12),14 | (10),11,(13),15 | | 6,7,(9.3) | (10),11 |
| | (14),17,18 | 11 | | | | |
| HZAJAF | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| J47ME8 | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| J49DKP | GlobalFiler™ | | | | | |
| | [14],16.3,17.3 | [17],20,22,23 | 10,14 | 14,15,[16],[18] | 7,[11],12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | [17],18,[21] | 8,12 | [8],[9],11,13 |
| | 12,[15],17,18 | 13,14 | 29,30,31.2 | 11,15,[16],17 | X,[Y] | 7,11 |
| | 20,24,25 | | | [18],25.2,29.2,[30.2] | 6,7,[9.3] | [10],11 |
| | 17,18 | 11 | | | 2 | |
| JQP3A2 | Identifiler® Plus | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,17 | 13,14 | 29,30,31.2 | | X,Y | 7,10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |
| K2FEXX | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 4e | 8,12 | 13,14 | | | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | | X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|----------------------|--------------|----------------|---------------------|-----------|-----------|
| K4ACH6 | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| | 4e 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| KH9GMV | PowerPlex® Fusion 5C | | | | | |
| | 14,16.3,17.3 | 17,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| | 4e 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |
| KRWCLB | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| | 4e 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | 2 | | |
| KTRQBP | GlobalFiler™ | | | | | |
| | [14],[16.3],17.3 | 20,[22],[23] | 10,14 | 14,15,16,18 | [7],11,12 | |
| | 4e 8,11,[12] | 13,14 | 14,15,16 | 17,18,[21] | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | [29],[30],31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,[24],25 | | | [18],25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | 2 | | |
| KVR264 | PowerPlex® Fusion 5C | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| | 4e 8,11,12 | 13,14 | 14,15,16 | 18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13 | 29,30,31.2 | 11,15,17 | X,Y | 7,11 |
| | 20,24,25 | 9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| KYC2BB | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| | 4e 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | 2 | | |
| L2JJ8L | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| | 4e 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | 2 | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|----------------------------------|-----------------|--------------|-------------------|-----------|--------------|
| L3UZ8Z | Identifiler® | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| 4e | | 8,12 | 13,14 | | 12 | 11,13 |
| | | 12,17 | 13 | 29,31.2 | X | 7,11 |
| | | 24,25 | | | 6,7 | 11 |
| | | 17,18 | | | | |
| L43HEP | Identifiler® Plus, PowerPlex® 21 | | | | | |
| | [14],16.3,17.3 | 17,[20],[22],23 | | 14,15,[16,18] | 7,[11],12 | [11],12,21.3 |
| 4e | 8,[11],12 | 13,14 | | [17],18,[21] | [8],12 | [8,9],11,13 |
| | 12,[15],17,[18] | 13,[14] | 29,[30],31.2 | | X,[Y] | 7,[10],11 |
| | [20],24,25 | [6],9,[12],14 | 11,15 | | 6,7,[9.3] | 11,11 |
| | [14],17,18 | | | | | |
| L44HC4 | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| LE4AJA | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| LFYN9M | GlobalFiler™ | | | | | |
| | [14],16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,[21] | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | 2 | |
| LHMZ8T | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| LQVWQP | Identifiler® | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | | X,Y | 7,10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|----------------------|-----------------|--------------|-----------------------|-------------|---------------|
| LYBDLK | PowerPlex® Fusion 5C | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| M6UZTV | GlobalFiler™ | | | | | |
| | [14],16.3,17.3 | 17,[20],[22],23 | 10,14 | 14,15,[16],[18] | 7,[11],12 | |
| 4e | 8,[11],12 | 13,14 | [14],15,16 | [17],18,18,[21] | [8],12,12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,13,[14] | 29,[30],31.2 | 11,[15],[16],17 | X,X,[Y] | 7,[10],11 |
| | [20],24,25 | | | 18,[25.2],29.2,[30.2] | 6,7,[9.3] | [10],11,11 |
| | [14],17,18 | [11] | | | [2] | |
| M6Y97P | GlobalFiler™ | | | | | |
| | [14],16.3,17.3 | 17,[20],[22],23 | 10,14 | 14,15,[16],[18] | 7,[11],12 | |
| 4e | 8,[11],12 | 13,14 | [14],15,16 | 18,18,[21] | [8],12,12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,13,[14] | 29,[30],31.2 | 11,[15],[16],17 | X,X,[Y] | 7,[10],11 |
| | [20],24,25 | | | 18,[25.2],29.2,[30.2] | 6,7,[9.3] | [10],11,11 |
| | [14],17,18 | [11] | | | [2] | |
| MCV479 | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| MD6RAZ | GlobalFiler™ | | | | | |
| | 14,16.3,[17.3] | [17],20,22,23 | 10,14 | 14,15,16,18 | [7],[11],12 | |
| 4e | 11,[12] | 13,14 | 14,15,16 | 17,18,21 | [8],12 | 8,11,13 |
| | 12,[15],[18] | 13,14 | [29],30,31.2 | 11,15 | X,Y | 7,10,11 |
| | 20,[24],25 | | | 25.2,29.2,30.2 | [6],7,[9.3] | [10],11 |
| | [14],[17],18 | 11 | | | 2 | |
| MFR29K | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| N3ZUNP | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17 | 10,14 | 14,15,18 | 12 | |
| 4e | 11,12 | 13,14 | 14,16 | 18 | 8,12 | 11,13 |
| | 12,17 | 13,14 | 29,31.2 | 11,17 | X,Y | 7,11 |
| | 24,25 | 6,9 | 10,11 | | 6 | 11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|-----------------------------------------|-----------------|-----------------|-----------------------|-----------|---------------|
| N9LPM8 | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| | 4e 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| NMRTZE | PowerPlex® Fusion 6C | | | | | |
| | (14),16.3,17.3 | 17,(20,22),23 | 10,14 | 14,15,(16,18) | 7,11,12 | |
| | 4e 8,11,12 | 13,14 | 14,15,16 | (17),18,18,(21) | 8,12 | (8,9),11,13 |
| | 12,(15),17,(18) | 13,14 | 29,(30),31.2 | 11,(15,16),17 | X,X,(Y) | 7,(10),11 |
| | (20),24,25 | (6),9,(12),14 | (10),11,(13),15 | 18,(25.2),29.2,(30.2) | 6,7,(9.3) | (10),11,11 |
| | (14),17,18 | (11) | (18) | (19) | | |
| NY3237 | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| | 4e 8,11,12 | 13,14 | 14,15,16 | 18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |
| NYK2XV | GlobalFiler™ | | | | | |
| | (14),16.3,17.3 | 17,(20),(22),23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| | 4e 8,11,12 | 13,14 | 14,15,16 | (17),18,(21) | (8),12 | (8),(9),11,13 |
| | 12,(15),17,(18) | 13,14 | 29,(30),31.2 | 11,15,16,17 | X,(Y) | 7,(10),11 |
| | (20),24,25 | | | 18,(25.2),29.2,(30.2) | 6,7,(9.3) | 11 |
| | (14),17,18 | No Result | | | 2 | |
| P7ZF2D | GlobalFiler™ | | | | | |
| | [14],16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,[16],[18] | 7,[11],12 | |
| | 4e 8,[11],12 | 13,14 | [14],15,16 | 18,18,[21] | [8],12,12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,13,[14] | 29,[30],31.2 | 11,[15],[16],17 | X,X,(Y) | 7,[10],11 |
| | [20],24,25 | | | 18,[25.2],29.2,[30.2] | 6,7,9.3 | [10],11,11 |
| | [14],17,18 | [11] | | [2] | | |
| PTXPKE | Identifiler® Plus | | | | | |
| | | 17,23 | | 14,15 | 7,12 | |
| | 4e 8,11,12 | 13,14 | | | 12 | 9,11,13 |
| | 12,17 | 13,14 | 29,31.2 | | X,X | 7,11 |
| | 24,25 | | | | 6,7 | 11 |
| | 17,18 | | | | | |
| PUL8BE | PowerPlex® Fusion (TrueAllele Casework) | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| | 4e 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|-------------------|-------------|--------------|-----------------------|-----------|---------------|
| Q3AH3L | GlobalFiler™ | | | | | |
| | 16,3,17,3 | 17,22,23 | 10,14 | 14,15 | 7,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 18 | 12 | 11,13 |
| | 12,17 | 13 | 29,31.2 | 11,17 | X,Y | 7,11 |
| | 24,25 | | | 18,29.2 | 6,7 | 11 |
| | 17,18 | 11 | | | 2 | |
| Q7T6MZ | Identifiler® Plus | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4e | 11,11 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | | X,Y | 7,10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |
| Q8METG | GlobalFiler™ | | | | | |
| | 14,16,3,17,3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| QFG96T | GlobalFiler™ | | | | | |
| | 14,16,3,17,3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| QJ37HB | GlobalFiler™ | | | | | |
| | [14],16,3,17,3 | 17,20,22,23 | 10,14 | 14,15,[16],[18] | 7,[11],12 | |
| 4e | 8,[11],12 | 13,14 | [14],15,16 | 18,18,[21] | [8],12,12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,13,[14] | 29,[30],31.2 | 11,[15],[16],17 | X,X,[Y] | 7,[10],11 |
| | [20],24,25 | | | 18,[25.2],29.2,[30.2] | 6,7,9.3 | [10],11,11 |
| | [14],17,18 | [11] | | | [2] | |
| QLM6NT | GlobalFiler™ | | | | | |
| | 14,16,3,17,3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| QPP9RW | GlobalFiler™ | | | | | |
| | 14,17.3 | 17 | 10,14 | 16,18 | 11,12 | |
| 4e | 11,12 | 13,14 | 14,15,16 | 17,18,21 | 12 | 9,13 |
| | 12,15,17 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,11 |
| | 20,25 | | | 18,30.2 | 7 | 11 |
| | 14,18 | 11 | | | 2 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|-------------------|-----------------|--------------|-----------------------|-----------|---------------|
| RABYB7 | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| RAR92L | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| TUERLQ | Identifiler® Plus | | | | | |
| | | 17,20,22,23 | | 14,15,16 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,17,18 | 13,14 | 29,30,31.2 | | X,Y | 7,10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |
| TUXWDH | GlobalFiler™ | | | | | |
| | [14],16.3,17.3 | 17,[20],[22],23 | 10,14 | 14,15,[16],[18] | 7,[11],12 | |
| 4e | 8,[11],12 | 13,14 | [14],15,16 | 18,18 | [8],12,12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,13,[14] | 29,[30],31.2 | 11,[15],[16],17 | X,X,[Y] | 7,[10],11 |
| | [20],24,25 | | | 18,[25.2],29.2,[30.2] | 6,7,[9.3] | 11,11 |
| | [14],17,18 | [11] | | | [2] | |
| U6PJNQ | Identifiler® Plus | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4e | 8,12 | 13,14 | | | 8,12 | 8,11,13 |
| | 12,17 | 13,14 | 29,31.2 | | X,Y | 7,10,11 |
| | 24,25 | | | | 6,7,9.3 | 10,11 |
| | 17,18 | | | | | |
| UBFTYN | Identifiler® Plus | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,17 | 13,14 | 29,31.2 | | X,Y | 7,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |
| UQPCGT | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|----------------------|---------------|--------------|-----------------------|-----------|-------------|
| VAWYHR | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| VKD4A | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,(11),12 | |
| 4e | 8,(11),12 | 13,14 | 15,16 | 18,(21) | 12 | 11,13 |
| | 12,17 | 13,(14) | 29,(30),31.2 | 11,17 | X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | NR | | | | |
| VQ4W4C | GlobalFiler™ | | | | | |
| | (14),16.3,17.3 | 17,(20,22),23 | 10,14 | 14,15,(16,18) | 7,(11),12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | (17),18,(21) | (8),12 | (8,9),11,13 |
| | 12,(15),17,(18) | 13,(14) | 29,(30),31.2 | 11,(15,16),17 | X,(Y) | 7,(10),11 |
| | (20),24,25 | | | 18,(25.2),29.2,(30.2) | 6,7,(9.3) | (10),11 |
| | (14),17,18 | (11) | | | (2) | |
| VQJFMA | PowerPlex® Fusion 5C | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17 | 13,14 | 29,30,31.2 | 11,15,17 | X,Y | 7,10,11 |
| | 20,24,25 | 9,12,14 | 10,11,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| VUNFYM | Identifiler® Plus | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,17 | 13,14 | 29,31.2 | | X | 7,10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 17,18 | | | | | |
| WB44LM | Identifiler® Plus | | | | | |
| | | 17,20,23 | | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | | | 8,12 | 8,11,13 |
| | 12,17 | 13,14 | 29,30,31.2 | | X,Y | 7,10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 14,17,18 | | | | | |
| X8GGBR | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|----------------------|-----------------|-----------------|-----------------------|-----------|---------------|
| X8NGK8 | PowerPlex® 21 | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | 11,12,21.3 |
| | 4e 8,11,12 | 13,14 | | 18,18 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,13,14 | 29,30,31.2 | | X,X,Y | 7,11 |
| | 20,24,25 | 6,9,14 | 11,13,15 | | 6,7,9.3 | 11,11 |
| | 14,17,18 | | | | | |
| XL3UR8 | PowerPlex® Fusion | | | | | |
| | 16.3,17.3 | 17,20,22,23 | 10,14 | 14,15 | 7,12 | |
| | 4e 8,11,12 | 13,14 | 14,15,16 | 18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17 | 13,14 | 29,31.2 | 11,17 | X,Y | 7,11 |
| | 20,24,25 | 9,14 | 11,15 | | 6,7 | 11 |
| | 17,18 | NR | | | | |
| XMH7F6 | GlobalFiler™ | | | | | |
| | [14],16.3,17.3 | 17,[20],[22],23 | 10,14 | 14,15,[16],[18] | 7,[11],12 | N/A |
| | 4e 8,12 | 13,14 | [14],[14],15,16 | 18,18,[21] | [8],12,12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,13,[14] | 29,[30],31.2 | 11,[15],[16],17 | X,X,[Y] | 7,11 |
| | [20],24,25 | N/A | N/A | 18,[25.2],29.2,[30.2] | 6,7,[9.3] | [10],11,11 |
| | [14],17,18 | [11] | N/A | [2] | | |
| XRCPWG | PowerPlex® Fusion 5C | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| | 4e 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| XUUAEQ | PowerPlex® Fusion | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| | 4e 8,11,12 | 13,14 | 14,15,16 | 18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| XUW83N | Identifiler® Plus | | | | | |
| | | 17,20,22,23 | | 14,15,18 | 7,11,12 | |
| | 4e 8,12 | 13,14 | | | 8,12 | 9,11,13 |
| | 12,17 | 13,14 | 29,31.2 | | X,Y | 7,10,11 |
| | 24,25 | | | | 6,7,9.3 | 10,11 |
| | 17,18 | | | | | |
| YYN74G | PowerPlex® Fusion 5C | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| | 4e 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|----------------------------|-----------------|--------------|-----------------------|-----------|---------------|
| YB2J74 | GlobalFiler™ | | | | | |
| | [14],16.3,17.3 | 17,[20],[22],23 | 10,14 | 14,15,[16],[18] | 7,[11],12 | |
| 4e | 8,[11],12 | 13,14 | [14],15,16 | 18,18 | [8],12,12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,13,[14] | 29,[30],31.2 | 11,[15],[16],17 | X,X,[Y] | 7,[10],11 |
| | [20],24,25 | | | 18,[25.2],29.2,[30.2] | 6,7,[9.3] | 11,11 |
| | [14],17,18 | [11] | | | [2] | |
| YLFKFH | PowerPlex® ESI-16 | | | | | |
| | (14),16.3,17.3 | 17,(22),23 | 10,14 | 14,15,(16),(18) | | |
| 4e | | 13,14 | (14),15,16 | 18,(21) | | (8),11,13 |
| | 12,(15),17,(18) | 13,(14) | 29,(30),31.2 | 11,(15),(16),17 | X,(Y) | |
| | (20),24,25 | | | | 6,7,(9.3) | |
| | (14),17,18 | | | | | |
| ZA4QL6 | Identifiler® Plus (STRmix) | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | | X,Y | 7,11 |
| | 20,24,25 | | | | 6,7,9.3 | 11 |
| | 14,17,18 | | | | | |
| ZCTEAK | Identifiler® Plus | | | | | |
| | | 17,20,22,23 | | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | | | 8,12 | 8,9,11,13 |
| | 12,17,18 | 13,14 | 29,30,31.2 | | X,Y | 7,10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 17,18 | | | | | |
| ZHXATK | PowerPlex® Fusion 5C, NGM | | | | | |
| | 16.3,17.3 | 17,23 | 10,14 | 14,15 | 7,12 | |
| 4e | 8,12 | 13,14 | 15,16 | 18,18 | 12,12 | 11,13 |
| | 12,17 | 13,13 | 29,31.2 | 11,17 | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | - | | | | |
| ZMCCA4 | GlobalFiler™ | | | | | |
| | [14],16.3,17.3 | 17,[20],[22],23 | 10,14 | 14,15,[16],[18] | 7,[11],12 | |
| 4e | 8,[11],12 | 13,14 | [14],15,16 | 18,18 | [8],12,12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,13,[14] | 29,[30],31.2 | 11,[15],[16],17 | X,X,[Y] | 7,[10],11 |
| | [20],24,25 | | | 18,[25.2],29.2,[30.2] | 6,7,[9.3] | 11,11 |
| | [14],17,18 | [11] | | | [2] | |
| ZPDNKA | PowerPlex® 16 HS | | | | | |
| | | | | 14,15 | 7,12 | |
| 4e | 8,12 | 13,14 | | | 12,12 | 11,13 |
| | 12,17 | | 29,31.2 | | X,X | 7,11 |
| | 24,25 | 9,14 | 11,15 | | 6,7 | 11,11 |
| | 17,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4e - STR Results

| | | | | | | |
|--------|----------------------|-------------|-------------|-------------|-----------|---------------|
| ZR2ZJF | PowerPlex® Fusion 5C | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4e | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | 6,9,12,14 | 10,11,13,15 | | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| ZX7W4F | Investigator® 24plex | | | | | |
| | 16.3,17.3 | 17,[20],23 | 10,14 | 14,15,[18] | 7,12 | |
| 4e | 8,[11],12 | 13,14 | [14],15,16 | 18,[21] | [8],12 | [8],[9],11,13 |
| | 12,[15],17,[18] | 13,[14] | 29,31.2 | 11,[15],17 | X,[Y] | 7,11 |
| | [20],24,25 | | | 18,29.2 | 6,7,[9.3] | 11 |
| | [14],17,18 | [11] | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | |
|--------|-------------------|------------|------------|--------------|----------------|-----------|
| 22ME94 | Identifiler® Plus | | | | | |
| | | 20,22 | | 16,18 | 11,12 | |
| 4sp | | 11,11 | 13,14 | | 8,12 | 8,9 |
| | | 15,18 | 14,14 | 30,31.2 | X,Y | 10,11 |
| | | 20,25 | | | 7,9.3 | 10,11 |
| | | 14,18 | | | | |
| 2932UT | GlobalFiler™ | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | | 25.2,30.2 | 7,9.3 | 10,11 |
| | | 14,18 | 11 | | 2 | |
| 29HLEP | PowerPlex® Fusion | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | 11 | 13,14 | 14 | 17,21 | 8,12 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | 6,12 | 10,13 | 7,9.3 | 10,11 |
| | | 14,18 | 11 | | | |
| 2EV7QH | GlobalFiler™ | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | 11 | 13,14 | 14 | 17,21 | 8,12 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | | 25.2,30.2 | 7,9.3 | 10,11 |
| | | 14,18 | 11 | | 2 | |
| 2VHK4A | PowerPlex® Fusion | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | 11 | 13,14 | 14 | 17,21 | 8,12 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | 6,12 | 10,13 | 25.2,30.2 | 7,9.3 |
| | | 14,18 | 11 | 18 | 19 | |
| 2XLHDG | GlobalFiler™ | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | | 25.2,30.2 | 7,9.3 | 10,11 |
| | | 14,18 | 11 | | 2 | |
| 33T7QJ | GlobalFiler™ | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | [15],16,18 | [7],11,12 |
| 4sp | | [8],11 | 13,14 | 14,[16] | 17,[18],21 | 8,12 |
| | | 15,[17],18 | [13],14 | [29],30,31.2 | 15,16,[17] | X,Y |
| | | 20,[24],25 | Not Tested | Not Tested | [18],25.2,30.2 | [6],7,9.3 |
| | | 14,[17],18 | 11 | See YSTR | See YSTR | 2 |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | |
|--------|-------------------|-----------------|---------------|-----------------|----------------|-----------|
| 38NWWU | GlobalFiler™ | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | 11 | 13,14 | 14 | 17,21 | 8,12 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 |
| | | 14,18 | 11 | | | 2 |
| 39X8NR | GlobalFiler™ | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | 11 | 13,14 | 14 | 17,21 | 8,12 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 |
| | | 14,18 | 11 | | | 2 |
| 3BN73P | PowerPlex® Fusion | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | 11 | 13,14 | 14 | 17,21 | 8,12 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | 6,12 | 10,13 | | 7,9.3 |
| | | 14,18 | 11 | | | 10,11 |
| 3HNMH3 | PowerPlex® Fusion | | | | | |
| | | 14,17.3 | [17],20,22 | 10,14 | [15],16,18 | [7],11,12 |
| 4sp | | [8],11,[12] | 13,14 | 14,[15] | 17,[18],21 | 8,12 |
| | | [12],15,[17],18 | [13],14 | [29],30,31.2 | 15,16 | X,Y |
| | | 20,[24],25 | 6,[9],12,[14] | 10,[11],13,[15] | | 7,9.3 |
| | | 14,[17],18 | 11 | | | 10,11 |
| 3TQW8Z | GlobalFiler™ | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 |
| | | 14,18 | 11 | | | 2 |
| 3UZ4AT | GlobalFiler™ | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | 11 | 13,14 | 14 | 17,21 | 8,12 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | | | [18],25.2,30.2 | 7,9.3 |
| | | 14,18 | 11 | | | 2 |
| 3VBUCH | ESI | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | |
| 4sp | | | 13,14 | 14,14 | 17,21 | 8,9 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 |
| | | 14,18 | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | |
|--------|-------------------|-------|------------|--------------|---------|---------|
| 43BPW2 | | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| 4K7AMU | PowerPlex® Fusion | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| 4L3MAM | PowerPlex® Fusion | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| 4QEPWJ | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 14,16,18 | 11,12 | |
| 4sp | 8,11,12 | 13,14 | 14,16 | 17,18,21 | 8,12 | 8,9 |
| | 15,17,18 | 13,14 | 29,30,31.2 | 15,16 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| 62A26P | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| 6FRJQL | Identifiler® | | | | | |
| | | 20,22 | | 16,18 | 11,12 | |
| 4sp | 11,11 | 13,14 | | | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | | X,Y | 10,11 |
| | 20,25 | | | | 7,9.3 | 10,11 |
| | 14,18 | | | | | |
| 6KPNE6 | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | |
|--------|----------------------|-------------|------------|-------------------|---------|-----------|
| 6LGYGD | Identifiler® Plus | | | | | |
| | | 20,22 | | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | | | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | | X,Y | 10,11 |
| | 20,25 | | | | 7,9.3 | 10,11 |
| | 14,18 | | | | | |
| 6ZWUGM | PowerPlex® Fusion | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| 7262JF | GlobalFiler™ | | | | | |
| | 14,17.3 | 17,20,22 | 10,14 | 14,16,18 | 7,11,12 | |
| 4sp | 8,11,12 | 13,14 | 14,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 15,17,18 | 13,14 | 29,30,31.2 | 11,15,16 | X,Y | 10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| 73JPK8 | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| 7DZCU9 | PowerPlex® Fusion 5C | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| 7KHM7N | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| 7QAVQH | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4sp | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | |
|--------|----------------------|-----------------|--------------|-----------------------|-----------|---------------|
| 84TYBJ | PowerPlex® Fusion | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| 88PGPY | PowerPlex® Fusion | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| 9P6AR8 | Investigator® 24plex | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14,[16] | 17,[18],21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| 9WNFNE | GlobalFiler™ | | | | | |
| | 14,[16.3],17.3 | [17],20,22,[23] | 10,14 | [14],[15],16,18 | [7],11,12 | |
| 4sp | [8],11,[12] | 13,14 | 14,[15],[16] | 17,[18],21 | 8,12 | 8,9,[11],[13] |
| | [12],15,[17],18 | [13],14 | [29],30,31.2 | [11],15,16,[17] | X,Y | [7],10,11 |
| | 20,[24],25 | | | [18],25.2,[29.2],30.2 | [6],7,9.3 | 10,11 |
| | 14,[17],18 | 11 | | | 2 | |
| A2G2U8 | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| AJVDMX | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| AVCZWY | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | |
|--------|-------------------|---------|-------|---------|-----------|-------|
| B2WFZW | GlobalFiler™ | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| | 4sp | 11 | 13,14 | 14 | 17,21 | 8,9 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 |
| | | 14,18 | 11 | | | 2 |
| B73BJW | GlobalFiler™ | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| | 4sp | 11 | 13,14 | 14 | 17,21 | 8,9 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 |
| | | 14,18 | 11 | | | 2 |
| BA7CVA | Identifiler® Plus | | | | | |
| | | | 20,22 | | 16,18 | 11,12 |
| | 4sp | 11 | 13,14 | | | 8,9 |
| | | 15,18 | 14 | 30,31.2 | | X,Y |
| | | 20,25 | | | | 7,9.3 |
| | | 14,18 | | | | 10,11 |
| BDTEXU | Identifiler® Plus | | | | | |
| | | | 20,22 | | 16,18 | 11,12 |
| | 4sp | 11,11 | 13,14 | | | 8,9 |
| | | 15,18 | 14,14 | 30,31.2 | | X,Y |
| | | 20,25 | | | | 7,9.3 |
| | | 14,18 | | | | 10,11 |
| BMQL7Y | Identifiler® Plus | | | | | |
| | | | 20,22 | | 16,18 | 11,12 |
| | 4sp | 11,11 | 13,14 | | | 8,9 |
| | | 15,18 | 14,14 | 30,31.2 | | X,Y |
| | | 20,25 | | | | 7,9.3 |
| | | 14,18 | | | | 10,11 |
| BN472U | PowerPlex® 21 | | | | | |
| | | 14,17.3 | 20,22 | | 16,18 | 11,12 |
| | 4sp | 11,11 | 13,14 | | 17,21 | 8,9 |
| | | 15,18 | 14,14 | 30,31.2 | | X,Y |
| | | 20,25 | 6,12 | 10,13 | | 7,9.3 |
| | | 14,18 | | | | 10,11 |
| BN7NBL | GlobalFiler™ | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| | 4sp | 11 | 13,14 | 14 | 17,21 | 8,9 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 |
| | | 14,18 | 11 | | | 2 |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | |
|--------|----------------------|----------|------------|-----------|-------|-------|
| BPEX64 | PowerPlex® Fusion 5C | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| BTY4NY | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,[17],18 | 11 | | | 2 | |
| BV83Y9 | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| C7HU29 | PowerPlex® Fusion 5C | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 29,30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| C8VLR4 | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| CD2M4E | Identifiler® | | | | | |
| | | 20,22 | | 16,18 | 11,12 | |
| 4sp | 11,11 | 13,14 | | | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | | X,Y | 10,11 |
| | 20,25 | | | | 7,9.3 | 10,11 |
| | 14,18 | | | | | |
| CN2T6K | PowerPlex® Fusion | | | | | |
| | 14,17.3 | 17,20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14,15 | 17,21 | 8,12 | 8,9 |
| | 15,17,18 | 13,14 | 29,30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | |
|--------|----------------------------------------------|---------|-------|---------|-----------|-------|
| CQMZHA | NGM | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | |
| 4sp | | | 13,14 | 14,14 | 17,21 | 8,9 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | | | | 7,9.3 |
| | | 14,18 | | | | |
| CQPB9R | PowerPlex® Fusion 6C | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | | 13,14 | 14,14 | 17,21 | 8,12 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | 6,12 | 10,13 | 25.2,30.2 | 7,9.3 |
| | | 14,18 | 11 | 18 | 19 | 10,11 |
| D68ATY | PowerPlex® Fusion 6C (LRmix Studio v. 2.1.3) | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | | 13,14 | 14,14 | 17,21 | 8,12 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | 6,12 | 10,13 | 25.2,30.2 | 7,9.3 |
| | | 14,18 | 11 | 18 | 19 | 10,11 |
| DCJQZY | Identifiler® Plus | | | | | |
| | | | 20,22 | | 16,18 | 11,12 |
| 4sp | | 11 | 13,14 | | | 8,12 |
| | | 15,18 | 14 | 30,31.2 | | X,Y |
| | | 20,25 | | | | 7,9.3 |
| | | 14,18 | | | | 10,11 |
| DHAZ9B | PowerPlex® Fusion | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | | 13,14 | 14 | 17,21 | 8,12 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | 6,12 | 10,13 | | 7,9.3 |
| | | 14,18 | 11 | | | 10,11 |
| ECKV2T | GlobalFiler™ (STRmix) | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | | 13,14 | 14,14 | 17,21 | 8,12 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 |
| | | 14,18 | 11 | | | 10,11 |
| | | | | | | 2 |
| EMFWRB | PowerPlex® Fusion | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | | 13,14 | 14 | 17,21 | 8,12 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | 6,12 | 10,13 | | 7,9.3 |
| | | 14,18 | 11 | | | 10,11 |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | | |
|--------|------------------------|-----------------|-----------------|--------------|-----------------------|-----------|---------------|
| ERCB78 | GlobalFiler™ | | | | | | |
| | | 14,[16.3],17.3 | [17],20,22,[23] | 10,14 | [14],[15],16,18 | [7],11,12 | |
| | 4sp | [8],11,[12] | 13,14 | 14,[15],[16] | 17,18,21 | 8,12 | 8,9,[11],[13] |
| | | [12],15,[17],18 | [13],14 | [29],30,31.2 | [11],15,16,[17] | X,Y | [7],10,11 |
| | | 20,[24],25 | | | [18],25.2,[29.2],30.2 | [6],7,9.3 | 10,11 |
| | 14,[17],18 | 11 | | | 2 | | |
| EU4E89 | GlobalFiler™ | | | | | | |
| | | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| | 4sp | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | | |
| EZPMHQ | PowerPlex® 21 (STRmix) | | | | | | |
| | | 14,17.3 | 20,22 | | 14,16,18 | 11,12 | 11,12,21.3 |
| | 4sp | 8,11 | 13,14 | | 17,18,21 | 8,12 | 8,9 |
| | | 12,15,18 | 13,14 | 29,30,31.2 | | X,Y | 10,11 |
| | | 20,24,25 | 6,9,12 | 10,11,13 | | 7,9.3 | 10,11 |
| | 14,17,18 | | | | | | |
| F6VKGW | Identifiler® Plus | | | | | | |
| | | | 20,22 | | 16,18 | 11,12 | |
| | 4sp | 11 | 13,14 | | | 8,12 | 8,9 |
| | | 15,18 | 14 | 30,31.2 | | X,Y | 10,11 |
| | | 20,25 | | | | 7,9.3 | 10,11 |
| | 14,18 | | | | | | |
| F82AJ7 | PowerPlex® Fusion 6C | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| | 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,25 | 6,12 | 10,13 | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | 18 | 19 | | | |
| F8KWF3 | GlobalFiler™ | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| | 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | | |
| FD9GJH | PowerPlex® Fusion | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| | 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|------------|----------|--------------|------------|---------|-----------|
| FDPRY3 | GlobalFiler™ | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| | 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | | |
| FUD3L6 | GlobalFiler™ | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| | 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | | 15,[17],18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | | |
| GB2GZW | PowerPlex® Fusion | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| | 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | | |
| GBF62N | PowerPlex® Fusion | | | | | | |
| | | 14,17.3 | 17,20,22 | 10,14 | 14,16,18 | 7,11,12 | |
| | 4sp | 8,11,12 | 13,14 | 14,15 | 17,18,21 | 8,12 | 8,9,11,13 |
| | | 15,17,18 | 13,14 | 29,30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,24,25 | 6,9,12 | 10,11,13,15 | | 7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | | |
| GFF6ME | GlobalFiler™ | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | [14],16,18 | 11,12 | |
| | 4sp | [8],11,11 | 13,14 | 14,14,[16] | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14,14 | [29],30,31.2 | [11],15,16 | X,Y | 10,11 |
| | | 20,[24],25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | | |
| GWXC9B | PowerPlex® Fusion | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| | 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | | |
| GXBW8D | PowerPlex® Fusion | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| | 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | |
|---------|-------------------|-------|---------|-----------|-------|-------|
| H4W NXZ | Identifiler® Plus | | | | | |
| | | 20,22 | | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | | | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | | X,Y | 10,11 |
| | 20,25 | | | | 7,9.3 | 10,11 |
| | 14,18 | | | | | |
| H8A4CB | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| HMQW4N | PowerPlex® Fusion | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| HZAJAF | PowerPlex® Fusion | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| J47ME8 | PowerPlex® Fusion | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| J49DKP | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,[17],18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| JQP3A2 | Identifiler® Plus | | | | | |
| | | 20,22 | | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | | | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | | X,Y | 10,11 |
| | 20,25 | | | | 7,9.3 | 10,11 |
| | 14,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | |
|--------|----------------------|------------|--------------|------------------|-----------|---------------|
| K2FEXX | Identifiler® Plus | | | | | |
| | | 20,22 | | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | | | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | | X,Y | 10,11 |
| | 20,25 | | | | 7,9.3 | 10,11 |
| | 14,18 | | | | | |
| K4ACH6 | PowerPlex® Fusion | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| KH9GMV | PowerPlex® Fusion 5C | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| KRWCLB | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| KTRQBP | GlobalFiler™ | | | | | |
| | 14,[16.3],17.3 | [17],20,22 | 10,14 | [14],[15],16,18 | [7],11,12 | |
| 4sp | [8],11,[12] | 13,14 | 14,[15],[16] | 17,[18],21 | 8,12 | 8,9,[11],[13] |
| | [12],15,[17],18 | [13],14 | [29],30,31.2 | [11],15,16,[17] | X,Y | [7],10,11 |
| | 20,[24],25 | | | 25.2,[29.2],30.2 | [6],7,9.3 | 10,11 |
| | 14,[17],18 | 11 | | | 2 | |
| KVR264 | PowerPlex® Fusion 5C | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| KYC2BB | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | | |
|--------|----------------------------------|-------------|-------------|------------|----------------|---------|-----------|
| L2JJ8L | GlobalFiler™ | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| | 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | | 14,18 | 11 | | | 2 | |
| L3UZ8Z | Identifiler® | | | | | | |
| | | | 20,22 | | 16,18 | 11,12 | |
| | 4sp | 11 | 13,14 | | | 8,12 | 8,9 |
| | | 15,18 | 14 | 30,31.2 | | X,Y | 10,11 |
| | | 20,25 | | | | 7,9.3 | 10,11 |
| | | 14,18 | | | | | |
| L43HEP | Identifiler® Plus, PowerPlex® 21 | | | | | | |
| | | 14,17.3 | 20,22 | | 16,18 | 11,12 | 11,12 |
| | 4sp | 11,11 | 13,14 | | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14,14 | 30,31.2 | | X,Y | 10,11 |
| | | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | | 14,18 | | | | | |
| L44HC4 | PowerPlex® Fusion | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| | 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | | 14,18 | 11 | | | | |
| LE4AJA | GlobalFiler™ | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| | 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | | 14,18 | 11 | | | 2 | |
| LFYN9M | GlobalFiler™ | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| | 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | | 14,18 | 11 | | | 2 | |
| LHMZ8T | GlobalFiler™ | | | | | | |
| | | 14,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| | 4sp | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | | 20,24,25 | | | 25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | | 14,17,18 | 11 | | | 2 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | |
|--------|----------------------|-----------------|-----------------|--------------|-----------------------|---------------|
| LQVWQP | Identifiler® | | | | | |
| | | 20,22 | | 16,18 | 11,12 | |
| 4sp | | 11 | 13,14 | | 8,12 | 8,9 |
| | | 15,18 | 14 | 30,31.2 | X,Y | 10,11 |
| | | 20,25 | | | 7,9.3 | 10,11 |
| | | 14,18 | | | | |
| LYBDLK | PowerPlex® Fusion 5C | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | 11 | 13,14 | 14 | 17,21 | 8,12 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | 6,12 | 10,13 | | 7,9.3 |
| | | 14,18 | 11 | | | 10,11 |
| M6UZTV | GlobalFiler™ | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 |
| | | 14,18 | 11 | | | 10,11 |
| | | | | | 2 | |
| M6Y97P | GlobalFiler™ | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 |
| | | 14,18 | 11 | | | 10,11 |
| | | | | | 2 | |
| MCV479 | PowerPlex® Fusion | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | 11 | 13,14 | 14 | 17,21 | 8,12 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | 6,12 | 10,13 | | 7,9.3 |
| | | 14,18 | 11 | | | 10,11 |
| MD6RAZ | GlobalFiler™ | | | | | |
| | | 14,[16.3],17.3 | [17],20,22,[23] | 10,14 | [14],16,18 | [7],11,12 |
| 4sp | | [8],11,[12] | 13,14 | 14,[15],[16] | 17,[18],21 | 8,12 |
| | | [12],15,[17],18 | [13],14 | [29],30,31.2 | [11],15,16,[17] | 8,9,[11],[13] |
| | | 20,[24],25 | | | [18],25.2,[29.2],30.2 | [7],10,11 |
| | | 14,[17],18 | 11 | | | [6],7,9.3 |
| | | | | | | 10,11 |
| | | | | | 2 | |
| MFR29K | GlobalFiler™ | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 |
| 4sp | | 11 | 13,14 | 14 | 17,21 | 8,12 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 |
| | | 14,18 | 11 | | | 10,11 |
| | | | | | 2 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | |
|--------|----------------------|-------|------------|-----------|---------|--------|
| N3ZUNP | PowerPlex® Fusion | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| N9LPM8 | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| NMRTZE | PowerPlex® Fusion 6C | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | 18 | 19 | | |
| NY3237 | PowerPlex® Fusion | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| NYK2XV | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| P7ZF2D | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| PTXPKE | Identifiler® Plus | | | | | |
| | | 20,22 | | 16,18 | 11,12 | |
| 4sp | 8,11,12 | 13,14 | | | 8,12 | 8,9,11 |
| | 15,18 | 14 | 29,30,31.2 | | X,Y | 10,11 |
| | 20,24,25 | | | | 6,7,9.3 | 10,11 |
| | 14,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | |
|--------|-----------------------------------------|------------|---------|-----------|-------|----------|
| PUL8BE | PowerPlex® Fusion (TrueAllele Casework) | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| Q3AH3L | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| Q7T6MZ | Identifiler® Plus | | | | | |
| | | 20,22 | | 16,18 | 11,12 | |
| 4sp | 11,11 | 13,14 | | | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | | X,Y | 10,11 |
| | 20,25 | | | | 7,9.3 | 10,11 |
| | 14,18 | | | | | |
| Q8METG | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| QFG96T | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| QJ37HB | GlobalFiler™ | | | | | |
| | 14,17.3 | [17],20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9,[11] |
| | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| QLM6NT | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|-------------|------------|--------------|-----------------------|-----------|---------------|
| QPP9RW | GlobalFiler™ | | | | | | |
| | | 14,17.3 | [17],20,22 | 10,14 | [14],16,18 | [7],11,12 | |
| | 4sp | [8],11,[12] | 13,14 | 14,[15] | 17,[18],21 | 8,12 | 8,9,[11],[13] |
| | | 15,18 | 14 | [29],30,31.2 | [11],15,16,[17] | X,Y | 10,11 |
| | | 20,[24],25 | | | [18],25.2,[29.2],30.2 | [6],7,9.3 | 10,11 |
| | | 14,[17],18 | 11 | | | 2 | |
| RABYB7 | PowerPlex® Fusion | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| | 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | | 14,18 | 11 | | | | |
| RAR92L | GlobalFiler™ | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| | 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | | 14,18 | 11 | | | 2 | |
| TUERLQ | Identifiler® Plus | | | | | | |
| | | | 20,22 | | 16,18 | 11,12 | |
| | 4sp | 11 | 13,14 | | | 8,12 | 8,9 |
| | | 15,18 | 14 | 30,31.2 | | X,Y | 10,11 |
| | | 20,25 | | | | 7,9.3 | 10,11 |
| | | 14,18 | | | | | |
| TUXWDH | GlobalFiler™ | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| | 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | | 14,18 | 11 | | | 2 | |
| U6PJNQ | Identifiler® Plus | | | | | | |
| | | | 20,22 | | 16,18 | 11,12 | |
| | 4sp | 11 | 13,14 | | | 8,12 | 8,9 |
| | | 15,18 | 14 | 30,31.2 | | X,Y | 10,11 |
| | | 20,25 | | | | 7,9.3 | 10,11 |
| | | 14,18 | | | | | |
| UBFTYN | Identifiler® Plus | | | | | | |
| | | | 20,22 | | 16,18 | 11,12 | |
| | 4sp | 11 | 13,14 | | | 8,12 | 8,9 |
| | | 15,18 | 14 | 30,31.2 | | X,Y | 10,11 |
| | | 20,25 | | | | 7,9.3 | 10,11 |
| | | 14,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | |
|--------|----------------------|-------------|-------------|-------------------|---------|-----------|
| UQPCGT | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4sp | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| VAWYHR | GlobalFiler™ | | | | | |
| | 14,16.3,17.3 | 17,20,22,23 | 10,14 | 14,15,16,18 | 7,11,12 | |
| 4sp | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11,13 |
| | 12,15,17,18 | 13,14 | 29,30,31.2 | 11,15,16,17 | X,Y | 7,10,11 |
| | 20,24,25 | | | 18,25.2,29.2,30.2 | 6,7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | 2 | |
| VKDJA4 | PowerPlex® Fusion | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,(24),25 | 6,12 | 10,(11),13 | | 7,9.3 | 10,11 |
| | 14,(17),18 | 11 | | | | |
| VQ4W4C | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | 2 | |
| VQJFMA | PowerPlex® Fusion 5C | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 15,16,18 | 7,11,12 | |
| 4sp | 8,11,12 | 13,14 | 14,15,16 | 17,18,21 | 8,12 | 8,9,11 |
| | 15,17,18 | 13,14 | 29,30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,24,25 | 6,9,12 | 10,11,13,15 | | 7,9.3 | 10,11 |
| | 14,17,18 | 11 | | | | |
| VUNFYM | Identifiler® Plus | | | | | |
| | | 20,22 | | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | | | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | | X,Y | 10,11 |
| | 20,25 | | | | 7,9.3 | 10,11 |
| | 14,18 | | | | | |
| WB44LM | Identifiler® Plus | | | | | |
| | | 20,22 | | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | | | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | | X,Y | 10,11 |
| | 20,25 | | | | 7,9.3 | 10,11 |
| | 14,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | |
|--------|----------------------|-------|------------|-----------|-------|--------|
| X8GGBR | PowerPlex® Fusion | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9,13 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| X8NGK8 | PowerPlex® 21 | | | | | |
| | 14,17.3 | 20,22 | | 16,18 | 11,12 | 11,12 |
| 4sp | 11,11 | 13,14 | | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | | | | | |
| XL3UR8 | PowerPlex® Fusion | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11,12 | 13,14 | 14 | 17,18,21 | 8,12 | 8,9 |
| | 12,15,17,18 | 14 | 29,30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,24,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| XM7F6 | GlobalFiler™ | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | N/A |
| 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | N/A | N/A | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | N/A | N/A | 2 | |
| XRCPWG | PowerPlex® Fusion 5C | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| XUUAEQ | PowerPlex® Fusion | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | 14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| XUW83N | Identifiler® Plus | | | | | |
| | | 20,22 | | 16,18 | 11,12 | |
| 4sp | 11 | 13,14 | | | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | | X,Y | 10,11 |
| | 20,25 | | | | 7,9.3 | 10,11 |
| | 14,18 | | | | | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | | |
|--------|----------------------------|---------|-------|---------|-----------|-------|-------|
| XYN74G | PowerPlex® Fusion 5C | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| | 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | | 14,18 | 11 | | | | |
| YB2J74 | GlobalFiler™ | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| | 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | | 14,18 | 11 | | | 2 | |
| YLFKFH | PowerPlex® ESI-16 | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | | |
| | 4sp | | 13,14 | 14,14 | 17,21 | | 8,9 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | |
| | | 20,25 | | | | 7,9.3 | |
| | | 14,18 | | | | | |
| ZA4QL6 | Identifiler® Plus (STRmix) | | | | | | |
| | | | 20,22 | | 16,18 | 11,12 | |
| | 4sp | 11,11 | 13,14 | | | 8,12 | 8,9 |
| | | 15,18 | 14,14 | 30,31.2 | | X,Y | 10,11 |
| | | 20,25 | | | | 7,9.3 | 10,11 |
| | | 14,18 | | | | | |
| ZCTEAK | Identifiler® Plus | | | | | | |
| | | | 20,22 | | 16,18 | 11,12 | |
| | 4sp | 11 | 13,14 | | | 8,12 | 8,9 |
| | | 15,18 | 14 | 30,31.2 | | X,Y | 10,11 |
| | | 20,25 | | | | 7,9.3 | 10,11 |
| | | 14,18 | | | | | |
| ZHXATK | PowerPlex® Fusion 5C, NGM | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| | 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | | 14,18 | 11 | | | | |
| ZMCCA4 | GlobalFiler™ | | | | | | |
| | | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| | 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | | 14,18 | 11 | | | 2 | |

TABLE 1

| WebCode | Amplification Kits (Probabilistic Genotyping Software) | | | | | |
|---------|--------------------------------------------------------|---------|----------|----------|------------|---------|
| Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |

Item 4sp - STR Results

| | | | | | | |
|--------|----------------------|-------|---------|------------|-----------|-------|
| ZPDNKA | PowerPlex® 16 HS | | | | | |
| | | | | 16,18 | 11,12 | |
| 4sp | 11,11 | 13,14 | | | 8,12 | 8,9 |
| | 15,18 | | 30,31.2 | | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | | | | | |
| ZR2ZJF | PowerPlex® Fusion 5C | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | 11,12 | |
| 4sp | 11,11 | 13,14 | 14,14 | 17,21 | 8,12 | 8,9 |
| | 15,18 | 14,14 | 30,31.2 | 15,16 | X,Y | 10,11 |
| | 20,25 | 6,12 | 10,13 | | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |
| ZX7W4F | Investigator® 24plex | | | | | |
| | 14,17.3 | 20,22 | 10,14 | 16,18 | [7],11,12 | |
| 4sp | [8],11 | 13,14 | 14 | 17,[18],21 | 8,12 | 8,9 |
| | 15,18 | 14 | 30,31.2 | [11],15,16 | X,Y | 10,11 |
| | 20,25 | | | 25.2,30.2 | 7,9.3 | 10,11 |
| | 14,18 | 11 | | | | |

YSTR Amplification Kit(s) & Results

TABLE 2

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

Item 1 - YSTR Results

| | | | | | | | | | |
|--------|---------|----|----|----|----|----|----|----|----|
| BMQL7Y | Yfiler™ | | | | | | | | |
| 1 | | ND | ND | ND | ND | ND | ND | ND | ND |
| | | ND | ND | ND | ND | ND | ND | ND | ND |
| L43HEP | Yfiler™ | | | | | | | | |
| 1 | | | | | | | | | |
| LQVWQP | Yfiler™ | | | | | | | | |
| 1 | | NA | NA | NA | NA | NA | NA | NA | NA |
| | | NA | NA | NA | NA | NA | NA | NA | NA |
| MD6RAZ | Yfiler™ | | | | | | | | |
| 1 | | | | | | | | | |

TABLE 2

| WebCode | Amplification Kit | | | | | | | | | |
|------------------------------|--------------------|--------|------------|----------|-----------|--------|--------|------------|---------|--|
| | DYF387S1 | DYS19 | DYS385 | DYS389_I | DYS389_II | DYS390 | DYS391 | DYS392 | DYS393 | |
| | DYS437 | DYS438 | DYS439 | DYS448 | DYS449 | DYS456 | DYS458 | DYS460 | DYS481 | |
| Item | DYS518 | DYS533 | DYS549 | DYS570 | DYS576 | DYS627 | DYS635 | DYS643 | YGATAH4 | |
| Item 2 - YSTR Results | | | | | | | | | | |
| 22ME94 | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | 23 | |
| | | 11 | 12 | 17 | 18 | | 22 | 10 | 12 | |
| 2932UT | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | 23 | |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 | |
| 2EV7QH | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | 23 | |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 | |
| 2XLHDG | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | 23 | |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 | |
| 33T7QJ | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | 23 | |
| | 42 | 11 | Not Tested | 17 | 18 | 21 | 22 | Not Tested | 12 | |
| 38NWWU | PowerPlex® Y PPY23 | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | 23 | |
| | | 11 | 12 | 17 | 18 | | 22 | 10 | 12 | |
| 39X8NR | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | 23 | |
| | | | | | | | 22 | | 12 | |
| 3HNMH3 | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | 23 | |
| | | | | | | | 22 | | 12 | |
| 3TQW8Z | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | 23 | |
| | | | | | | | 22 | | 12 | |
| 4L3MAM | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | 23 | |
| | | | | | | | 22 | | 12 | |
| 4QEPWJ | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | 23 | |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 | |
| 62A26P | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | 23 | |
| | | | | | | | 22 | | 12 | |

TABLE 2

| WebCode | Amplification Kit | | | | | | | | | |
|------------------------------|-------------------|--------|--------|----------|-----------|--------|--------|--------|---------|----|
| | DYF387S1 | DYS19 | DYS385 | DYS389 I | DYS389 II | DYS390 | DYS391 | DYS392 | DYS393 | |
| Item | DYS437 | DYS438 | DYS439 | DYS448 | DYS449 | DYS456 | DYS458 | DYS460 | DYS481 | |
| | DYS518 | DYS533 | DYS549 | DYS570 | DYS576 | DYS627 | DYS635 | DYS643 | YGATAH4 | |
| Item 2 - YSTR Results | | | | | | | | | | |
| 6KPNE6 | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |
| 6LGYGD | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |
| 6WZ6ZF | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | 23 |
| | | 11 | 12 | 17 | 18 | | 22 | 10 | | 12 |
| 7262JF | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | | 23 |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | | 12 |
| 73JPK8 | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | | 23 |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | | 12 |
| 7DZCU9 | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | 23 |
| | | 11 | 12 | 17 | 18 | | 22 | 10 | | 12 |
| 7JRGPX | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |
| 7KHM7N | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | | 23 |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | | 12 |
| 7QAVQH | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | | 23 |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | | 12 |
| 88PGPY | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |
| 9WNFNE | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | | 23 |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | | 12 |
| A2G2U8 | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | | 23 |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | | 12 |

TABLE 2

| WebCode | Amplification Kit | | | | | | | | | |
|------------------------------|-------------------|--------|--------|----------|-----------|--------|--------|--------|---------|--|
| | DYF387S1 | DYS19 | DYS385 | DYS389_I | DYS389_II | DYS390 | DYS391 | DYS392 | DYS393 | |
| Item | DYS437 | DYS438 | DYS439 | DYS448 | DYS449 | DYS456 | DYS458 | DYS460 | DYS481 | |
| | DYS518 | DYS533 | DYS549 | DYS570 | DYS576 | DYS627 | DYS635 | DYS643 | YGATAH4 | |
| Item 2 - YSTR Results | | | | | | | | | | |
| AJVDMX | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | 23 | |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 | |
| AVCZWY | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | 23 | |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 | |
| B2WFZW | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | 23 | |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 | |
| B73BJW | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | 23 | |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 | |
| BA7CVA | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | 12 | |
| BDTEXU | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | 23 | |
| | | 11 | 12 | 17 | 18 | | 22 | 10 | 12 | |
| BMQL7Y | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | 12 | |
| BN472U | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | 12 | |
| BN7NBL | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | 23 | |
| | | 11 | 12 | 17 | 18 | | 22 | 10 | 12 | |
| BTY4NY | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | 12 | |
| BV83Y9 | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | 23 | |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 | |
| C7HU29 | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | 12 | |

TABLE 2

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

Item 2 - YSTR Results

| | | | | | | | | | |
|--------|-----------------|----|-------|----|----|----|----|----|----|
| C8VLR4 | Yfiler™ | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| CQMZHA | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| D68ATY | PowerPlex® Y 23 | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | 23 |
| | | 11 | 12 | 17 | 18 | | 22 | 10 | 12 |
| DCJQZY | Yfiler™ | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| ERCB78 | Yfiler™ | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| EU4E89 | Yfiler™ Plus | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | 10 | 23 |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 |
| EYA94P | Yfiler™ | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| F6VKGW | Yfiler™ | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| F82AJ7 | PowerPlex® Y 23 | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | 23 |
| | | 11 | 12 | 17 | 18 | | 22 | 10 | 12 |
| F8KWF3 | Yfiler™ Plus | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | 10 | 23 |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 |
| FDPRY3 | Yfiler™ Plus | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | 10 | 23 |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 |
| FUD3L6 | Yfiler™ Plus | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | 10 | 23 |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 |

TABLE 2

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

Item 2 - YSTR Results

| | | | | | | | | | |
|---------|---------------------|-------|-------|-------|----|----|----|----|----|
| FZ4DXN | Yfiler™ | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| GB2GZW | PowerPlex® Y 23 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | 23 |
| | | 11 | 12 | 17 | 18 | | 22 | 10 | 12 |
| GBF62N | Yfiler™ | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| GVL6YA | PowerPlex® Y system | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | | | | | |
| H4W NXZ | Yfiler™ | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| H8A4CB | Yfiler™ Plus | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 |
| 2 | | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 |
| | | 42 | 11 | | 17 | 18 | 21 | 22 | 12 |
| HMqw4N | Yfiler™ | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| J49DKP | Yfiler™ | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| JQP3A2 | Yfiler™ | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| K2FEXX | Yfiler™ | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| KRWCLB | PowerPlex® Y 23 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | 23 |
| | | 11 | 12 | 17 | 18 | | 22 | 10 | 12 |
| KTRQBP | Yfiler™ | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |

TABLE 2

| WebCode | Amplification Kit | | | | | | | | | |
|------------------------------|-------------------|--------|--------|----------|-----------|--------|--------|--------|---------|----|
| | DYF387S1 | DYS19 | DYS385 | DYS389_I | DYS389_II | DYS390 | DYS391 | DYS392 | DYS393 | |
| Item | DYS437 | DYS438 | DYS439 | DYS448 | DYS449 | DYS456 | DYS458 | DYS460 | DYS481 | |
| | DYS518 | DYS533 | DYS549 | DYS570 | DYS576 | DYS627 | DYS635 | DYS643 | YGATAH4 | |
| Item 2 - YSTR Results | | | | | | | | | | |
| KYC2BB | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |
| L2JJ8L | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |
| L43HEP | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |
| LE4AJA | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | 23 |
| | | 11 | 12 | 17 | 18 | | 22 | 10 | | 12 |
| LFYN9M | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |
| LHMZ8T | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | | 23 |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | | 12 |
| LQVWQP | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |
| LYBDLK | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |
| M6UZTV | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | | 23 |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | | 12 |
| M6Y97P | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |
| MCV479 | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |
| MD6RAZ | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |

TABLE 2

| WebCode | Amplification Kit | | | | | | | | | |
|------------------------------|-------------------|--------|--------|----------|-----------|--------|--------|--------|---------|--|
| | DYF387S1 | DYS19 | DYS385 | DYS389_I | DYS389_II | DYS390 | DYS391 | DYS392 | DYS393 | |
| Item | DYS437 | DYS438 | DYS439 | DYS448 | DYS449 | DYS456 | DYS458 | DYS460 | DYS481 | |
| | DYS518 | DYS533 | DYS549 | DYS570 | DYS576 | DYS627 | DYS635 | DYS643 | YGATAH4 | |
| Item 2 - YSTR Results | | | | | | | | | | |
| MFEAHP | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | 23 | |
| | | 11 | 12 | 17 | 18 | | 22 | 10 | 12 | |
| MFR29K | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | 23 | |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 | |
| N3ZUNP | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | 23 | |
| | | 11 | 12 | 17 | 18 | | 22 | 10 | 12 | |
| N9LPM8 | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | 23 | |
| | | 11 | 12 | 17 | 18 | | 22 | 10 | 12 | |
| NYK2XV | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | 23 | |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 | |
| P7ZF2D | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | 12 | |
| PUL8BE | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | 12 | |
| Q8METG | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | 12 | |
| QFG96T | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | 23 | |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 | |
| QGARW2 | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | 23 | |
| | | 11 | 12 | 17 | 18 | | 22 | 10 | 12 | |
| QJ37HB | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | 12 | |
| QLM6NT | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | 23 | |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 | |

TABLE 2

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

Item 2 - YSTR Results

| | | | | | | | | | |
|--------|--------------|----|-------|----|----|----|----|----|----|
| QPP9RW | Yfiler™ | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| RAR92L | Yfiler™ Plus | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 |
| RKP9FB | Yfiler™ | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| TUERLQ | Yfiler™ | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| TUXWDH | Yfiler™ | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| U6PJNQ | Yfiler™ | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| UBFTYN | Yfiler™ | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| UQPCGT | Yfiler™ Plus | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 |
| VAWYHR | Yfiler™ Plus | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 |
| VKDJA4 | Yfiler™ | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |
| VQ4W4C | Yfiler™ Plus | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | 12 |
| VQJFMA | Yfiler™ | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | 15 | 14 | | |
| | | | | | | | 22 | | 12 |

TABLE 2

| WebCode | Amplification Kit | | | | | | | | | |
|------------------------------|-----------------------|--------|--------|----------|-----------|--------|--------|--------|---------|----|
| | DYF387S1 | DYS19 | DYS385 | DYS389_I | DYS389_II | DYS390 | DYS391 | DYS392 | DYS393 | |
| Item | DYS437 | DYS438 | DYS439 | DYS448 | DYS449 | DYS456 | DYS458 | DYS460 | DYS481 | |
| | DYS518 | DYS533 | DYS549 | DYS570 | DYS576 | DYS627 | DYS635 | DYS643 | YGATAH4 | |
| Item 2 - YSTR Results | | | | | | | | | | |
| VUNFYM | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |
| WB44LM | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |
| XL3UR8 | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |
| XMH7F6 | Yfiler™ | | | | | | | | | |
| | N/A | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | N/A | 15 | 14 | N/A | N/A | |
| | N/A | N/A | N/A | N/A | N/A | N/A | 22 | N/A | | 12 |
| XUW83N | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |
| XYN74G | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | 23 | |
| | | 11 | 12 | 17 | 18 | | 22 | 10 | | 12 |
| YB2J74 | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |
| ZA4QL6 | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | 23 | |
| | | 11 | 12 | 17 | 18 | | 22 | 10 | | 12 |
| ZCTEAK | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |
| ZHXATK | Yfiler™, PowerPlex® Y | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | 23 | |
| | | 11 | 12 | 17 | 18 | | 22 | 10 | | 12 |
| ZMCCA4 | Yfiler™ | | | | | | | | | |
| | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | | 15 | 14 | | | |
| | | | | | | | 22 | | | 12 |
| ZPDNKA | Yfiler™ Plus | | | | | | | | | |
| | 35,39 | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 | |
| 2 | 14 | 11 | 12 | 19 | 29 | 15 | 14 | 10 | 23 | |
| | 42 | 11 | | 17 | 18 | 21 | 22 | | | 12 |

TABLE 2

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

Item 2 - YSTR Results

| WebCode | Amplification Kit | DYF387S1 | DYS19 | DYS385 | DYS389_I | DYS389_II | DYS390 | DYS391 | DYS392 | DYS393 |
|---------|-------------------|----------|-------|--------|----------|-----------|--------|--------|--------|--------|
| ZR2ZJF | PowerPlex® Y 23 | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | | 15 | 14 | | 23 |
| | | | 11 | 12 | 17 | 18 | | 22 | 10 | 12 |
| ZV32JC | Yfiler™ | | 14 | 14,15 | 12 | 29 | 24 | 11 | 14 | 13 |
| 2 | | 14 | 11 | 12 | 19 | | 15 | 14 | | |
| | | | | | | | | 22 | | 12 |

TABLE 2

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

Item 3 - YSTR Results

| | | | | | | | | | |
|--------|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 2932UT | Yfiler™ Plus | | | | | | | | |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 3 | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 2EV7QH | Yfiler™ Plus | | | | | | | | |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 3 | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 2XLHDG | Yfiler™ Plus | | | | | | | | |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 3 | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 3HNMH3 | Yfiler™ | | | | | | | | |
| | | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 3 | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | | | | | | | | | |
| | | | | | | | | | |
| 7DZCU9 | PowerPlex® Y 23 | | | | | | | | |
| | [REDACTED] | | | | | | | | |
| | [REDACTED] | | | | | | | | |
| 3 | [REDACTED] | | | | | | | | |
| | [REDACTED] | | | | | | | | |
| | [REDACTED] | | | | | | | | |
| 7KHM7N | Yfiler™ Plus | | | | | | | | |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 3 | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | No Results | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 88PGPY | Yfiler™ | | | | | | | | |
| | | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 3 | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | | | | | | | | | |
| | | | | | | | | | |
| A2G2U8 | Yfiler™ Plus | | | | | | | | |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 3 | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| B2WFZW | Yfiler™ Plus | | | | | | | | |
| | no results | no results | no results | no results | no results | no results | no results | no results | no results |
| | no results | no results | no results | no results | no results | no results | no results | no results | no results |
| 3 | no results | no results | no results | no results | no results | no results | no results | no results | no results |
| | no results | no results | no results | no results | no results | no results | no results | no results | no results |
| | no results | no results | no results | no results | no results | no results | no results | no results | no results |
| BMQL7Y | Yfiler™ | | | | | | | | |
| | | | ND | ND | ND | ND | ND | ND | ND |
| | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 3 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | | | | | | | | |
| | | | | | | | | | |
| F8KWF3 | Yfiler™ Plus | | | | | | | | |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 3 | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| FDPRY3 | Yfiler™ Plus | | | | | | | | |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 3 | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR |

TABLE 2

| WebCode | Amplification Kit | | | | | | | | | |
|------------------------------|---------------------|--------|--------|----------|-----------|--------|--------|--------|---------|----|
| | DYF387S1 | DYS19 | DYS385 | DYS389 I | DYS389 II | DYS390 | DYS391 | DYS392 | DYS393 | |
| Item | DYS437 | DYS438 | DYS439 | DYS448 | DYS449 | DYS456 | DYS458 | DYS460 | DYS481 | |
| | DYS518 | DYS533 | DYS549 | DYS570 | DYS576 | DYS627 | DYS635 | DYS643 | YGATAH4 | |
| Item 3 - YSTR Results | | | | | | | | | | |
| GBF62N | Yfiler™ | | | | | | | | | |
| | | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 3 | NR | NR | NR | NR | | NR | NR | | | NR |
| <hr/> | | | | | | | | | | |
| GVL6YA | PowerPlex® Y system | | | | | | | | | |
| | | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 3 | -- | -- | -- | | | | | | | |
| <hr/> | | | | | | | | | | |
| H8A4CB | Yfiler™ Plus | | | | | | | | | |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 3 | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | | NR | NR | NR | NR | | | NR |
| <hr/> | | | | | | | | | | |
| HMQW4N | Yfiler™ | | | | | | | | | |
| | | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 3 | NR | NR | NR | NR | | NR | NR | | | NR |
| | | | | | | | NR | | | NR |
| <hr/> | | | | | | | | | | |
| J49DKP | Yfiler™ | | | | | | | | | |
| 3 | | | | | | | | | | |
| <hr/> | | | | | | | | | | |
| KTRQBP | Yfiler™ | | | | | | | | | |
| 3 | | | | | | | | | | |
| <hr/> | | | | | | | | | | |
| L43HEP | Yfiler™ | | | | | | | | | |
| 3 | | | | | | | | | | |
| <hr/> | | | | | | | | | | |
| LQVWQP | Yfiler™ | | | | | | | | | |
| | | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 3 | NA | NA | NA | NA | | NA | NA | | | NA |
| | | | | | | | NA | | | NA |
| <hr/> | | | | | | | | | | |
| LYBDLK | Yfiler™ | | | | | | | | | |
| | | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 3 | NR | NR | NR | NR | | NR | NR | | | NR |
| | | | | | | | NR | | | NR |
| <hr/> | | | | | | | | | | |
| M6UZTV | Yfiler™ Plus | | | | | | | | | |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 3 | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | | NR | NR | NR | NR | | | NR |
| <hr/> | | | | | | | | | | |
| MFR29K | Yfiler™ Plus | | | | | | | | | |
| | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 3 | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| | NR | NR | | NR | NR | NR | NR | | | NR |
| <hr/> | | | | | | | | | | |
| VKDJA4 | Yfiler™ | | | | | | | | | |
| | | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 3 | NR | NR | NR | NR | | NR | NR | | | NR |
| | | | | | | | NR | | | NR |

TABLE 2

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

Item 3 - YSTR Results

| | | | | | | | | | |
|--------|-----------------|------|------|------|------|------|------|------|------|
| VQJFMA | Yfiler™ | | | | | | | | |
| | | NR | NR | NR | NR | NR | NR | NR | NR |
| 3 | NR | NR | NR | NR | | NR | NR | | NR |
| | | | | | | | NR | | NR |
| XL3UR8 | Yfiler™ | | | | | | | | |
| | | NR | NR | NR | NR | NR | NR | NR | NR |
| 3 | NR | NR | NR | NR | | NR | NR | | NR |
| | | | | | | | NR | | NR |
| XYN74G | PowerPlex® Y 23 | | | | | | | | |
| | | Neg. | Neg. | Neg. | Neg. | Neg. | Neg. | Neg. | Neg. |
| 3 | Neg. | Neg. | Neg. | Neg. | | Neg. | Neg. | | Neg. |
| | | Neg. | Neg. | Neg. | Neg. | | Neg. | Neg. | Neg. |
| ZR2ZJF | PowerPlex® Y 23 | | | | | | | | |
| | | --- | --- | --- | --- | --- | --- | --- | --- |
| 3 | --- | --- | --- | --- | | --- | --- | | --- |
| | | --- | --- | --- | --- | | --- | --- | --- |

TABLE 2

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

Item 4 - YSTR Results

| | | | | | | | | | |
|--------|--------------------|----|-------|----|----|----|----|----|----|
| 38NWWU | PowerPlex® Y PPY23 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4 | 15 | 12 | 12 | 19 | 18 | 18 | 23 | 10 | 12 |
| | | 13 | 13 | 18 | 19 | | | | |
| 6WZ6ZF | PowerPlex® Y 23 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4 | 15 | 12 | 12 | 19 | 18 | 18 | 23 | 10 | 23 |
| | | 13 | 13 | 18 | 19 | | | | 12 |
| 7JRGPX | Yfiler™ | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4 | 15 | 12 | 12 | 19 | 18 | 18 | 23 | | 12 |
| | | | | | | | | | |
| CQMZHA | Yfiler™ | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4 | 15 | 12 | 12 | 19 | 18 | 18 | 23 | | 12 |
| | | | | | | | | | |
| EYA94P | Yfiler™ | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4 | 15 | 12 | 12 | 19 | 18 | 18 | 23 | | 12 |
| | | | | | | | | | |
| FZ4DXN | Yfiler™ | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4 | 15 | 12 | 12 | 19 | 18 | 18 | 23 | | 12 |
| | | | | | | | | | |
| MFEAHP | PowerPlex® Y 23 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4 | 15 | 12 | 12 | 19 | 18 | 18 | 23 | 10 | 23 |
| | | 13 | 13 | 18 | 19 | | | | 12 |
| QGARW2 | PowerPlex® Y 23 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4 | 15 | 12 | 12 | 19 | 18 | 18 | 23 | 10 | 23 |
| | | 13 | 13 | 18 | 19 | | | | 12 |
| RKP9FB | Yfiler™ | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4 | 15 | 12 | 12 | 19 | 18 | 18 | 23 | | 12 |
| | | | | | | | | | |
| ZV32JC | Yfiler™ | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4 | 15 | 12 | 12 | 19 | 18 | 18 | 23 | | 12 |
| | | | | | | | | | |

TABLE 2

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

Item 4e - YSTR Results

| | | | | | | | | | |
|--------|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 22ME94 | PowerPlex® Y 23 | | | | | | | | |
| 4e | [Redacted] | | | | | | | | |
| 2932UT | Yfiler™ Plus | | | | | | | | |
| | 35,35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 |
| 2E77QH | Yfiler™ Plus | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 |
| 2XLHDG | Yfiler™ Plus | | | | | | | | |
| | 35,35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 |
| 3377QJ | Yfiler™ Plus | | | | | | | | |
| | Not Tested | Not Tested | Not Tested | Not Tested | Not Tested | Not Tested | Not Tested | Not Tested | Not Tested |
| 4e | Not Tested | Not Tested | Not Tested | Not Tested | Not Tested | Not Tested | Not Tested | Not Tested | Not Tested |
| | Not Tested | Not Tested | Not Tested | Not Tested | Not Tested | Not Tested | Not Tested | Not Tested | Not Tested |
| 39X8NR | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | | 18 | | | |
| | | | | | | | 23 | | 12 |
| 3HNMH3 | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | | 18 | | | |
| | | | | | | | 23 | | 12 |
| 3TQW8Z | Yfiler™ | | | | | | | | |
| 4e | [Redacted] | | | | | | | | |
| 4L3MAM | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | | 18 | | | |
| | | | | | | | 23 | | 12 |
| 4QEWPJ | Yfiler™ Plus | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 |
| 62A26P | Yfiler™ | | | | | | | | |
| 4e | [Redacted] | | | | | | | | |
| 6KPNE6 | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | | 18 | | | |
| | | | | | | | 23 | | 12 |

TABLE 2

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

Item 4e - YSTR Results

| | | | | | | | | | |
|--------|-----------------|-------|-------|-------------|----|-------|---------|----|----|
| 6LGYGD | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| 7262JF | Yfiler™ Plus | | | | | | | | |
| 4e | | | | | | | | | |
| 73JPK8 | Yfiler™ Plus | | | | | | | | |
| | | 35 | 14 | at least 11 | 13 | 29 | 21 | 11 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 |
| | | 37 | 13 | | 18 | 19 | 22 | 23 | 12 |
| 7DZCU9 | PowerPlex® Y 23 | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | 23 |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | 12 |
| 7KHM7N | Yfiler™ Plus | | | | | | | | |
| | | 35,35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 |
| | | 37 | 13 | | 18 | 19 | 22 | 23 | 12 |
| 7QAVQH | Yfiler™ Plus | | | | | | | | |
| | | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 |
| | | 37 | 13 | | 18 | 19 | 22 | 23 | 12 |
| 88PGPY | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| 9WNFNE | Yfiler™ Plus | | | | | | | | |
| | | 35 | 14 | 11,14 | 13 | 29 | [20],21 | 11 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 29,30 | 18 | 18 | 10 |
| | | 37 | 13 | | 18 | 19 | 22 | 23 | 12 |
| A2G2U8 | Yfiler™ Plus | | | | | | | | |
| | | 35,35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 |
| | | 37 | 13 | | 18 | 19 | 22 | 23 | 12 |
| AJVDMX | Yfiler™ Plus | | | | | | | | |
| | | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 |
| | | 37 | 13 | | 18 | 19 | 22 | 23 | 12 |
| AVCZWY | Yfiler™ Plus | | | | | | | | |
| | | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 |
| | | 37 | 13 | | 18 | 19 | 22 | 23 | 12 |
| B2WFZW | Yfiler™ Plus | | | | | | | | |
| | | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 |
| | | 37 | 13 | | 18 | 19 | 22 | 23 | 12 |

TABLE 2

| WebCode | Amplification Kit | | | | | | | | | |
|-------------------------------|-------------------|------------|--------|----------|-----------|------------|--------|------------|------------|----|
| | DYF387S1 | DYS19 | DYS385 | DYS389_I | DYS389_II | DYS390 | DYS391 | DYS392 | DYS393 | |
| Item | DYS437 | DYS438 | DYS439 | DYS448 | DYS449 | DYS456 | DYS458 | DYS460 | DYS481 | |
| | DYS518 | DYS533 | DYS549 | DYS570 | DYS576 | DYS627 | DYS635 | DYS643 | YGATAH4 | |
| Item 4e - YSTR Results | | | | | | | | | | |
| B73BJW | Yfiler™ Plus | | | | | | | | | |
| | [35] | 14 | 11,14 | 13 | 29 | No results | 11 | No results | No results | |
| 4e | 15 | No results | 12 | 19 | 30 | 18 | 18 | 10 | 23 | |
| | No results | No results | | 18 | 19 | 22 | 23 | | No results | |
| BA7CVA | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| BDTEXU | PowerPlex® Y 23 | | | | | | | | | |
| 4e | | | | | | | | | | |
| BMQL7Y | Yfiler™ | | | | | | | | | |
| | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 4e | ND | ND | ND | ND | | ND | ND | | | |
| | | | | | | | ND | | | ND |
| BN472U | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| BN7NBL | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | 23 | |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | 12 | |
| BTY4NY | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| BV83Y9 | Yfiler™ Plus | | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4e | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 | |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | | 12 |
| C7HU29 | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| C8VLR4 | Yfiler™ | | | | | | | | | |
| 4e | | | | | | | | | | |
| D68ATY | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | 23 | |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | 12 | |
| DCJQZY | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |

TABLE 2

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

Item 4e - YSTR Results

| | | | | | | | | | |
|---------|-----------------|----|-------|----|----|----|----|----|----|
| ERCB78 | Yfiler™ | | | | | | | | |
| | | 14 | 14 | 13 | | | 11 | 13 | 13 |
| 4e | | 15 | 12 | | | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| EU4E89 | Yfiler™ Plus | | | | | | | | |
| | 35 | | | | | 21 | 11 | | 13 |
| 4e | | 12 | | | | | | 10 | |
| | | 13 | | 18 | | | 23 | | |
| F6VKGW | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| F82AJ7 | PowerPlex® Y 23 | | | | | | | | |
| 4e | | | | | | | | | |
| F8KWF3 | Yfiler™ Plus | | | | | | | | |
| | 35,35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 |
| | | 37 | 13 | | 18 | 19 | 22 | 23 | 12 |
| FDPRY3 | Yfiler™ Plus | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 |
| | | 37 | 13 | | 18 | 19 | 22 | 23 | 12 |
| FUD3L6 | Yfiler™ Plus | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 |
| | | 37 | 13 | | 18 | 19 | 22 | 23 | 12 |
| GB2GZW | PowerPlex® Y 23 | | | | | | | | |
| 4e | | | | | | | | | |
| | | | | | 19 | | | | |
| GBF62N | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| GVL6YA | PowerPlex® Y | | | | | | | | |
| 4e | | | | | | | | | |
| H4W NXZ | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| H8A4CB | Yfiler™ Plus | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 |
| | | 37 | 13 | | 18 | 19 | 22 | 23 | 12 |

TABLE 2

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

Item 4e - YSTR Results

| | | | | | | | | | |
|--------|--------------|----|-------|-------|----|----|----|----|----|
| HMQW4N | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| J49DKP | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| JQP3A2 | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| K2FEFX | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| KTRQBP | Yfiler™ | | | | | | | | |
| | | 14 | | 13 | 29 | 21 | 11 | 13 | |
| 4e | | 15 | 12 | 12 | | 18 | 18 | | |
| | | | | | | | | | |
| KYC2BB | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| L2JJ8L | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| L43HEP | Yfiler™ | | | | | | | | |
| | | 14 | 0,0 | 13 | 29 | 21 | 0 | 0 | 13 |
| 4e | | 15 | 0 | 0 | 19 | 18 | 0 | | |
| | | | | | | | 23 | | 12 |
| LFYN9M | Yfiler™ | | | | | | | | |
| 4e | | | | | | | | | |
| LHMZ8T | Yfiler™ Plus | | | | | | | | |
| | | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 |
| | | 37 | 13 | | 18 | 19 | 22 | 23 | 12 |
| LQVWQP | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| LYBDLK | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |

TABLE 2

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

Item 4e - YSTR Results

| | | | | | | | | | |
|--------|-----------------|-----------|-------|-----------|----|----|-----------|-----------|----|
| M6UZTV | Yfiler™ Plus | | | | | | | | |
| | 35,35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 |
| M6Y97P | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | 12 |
| | | | | | | | 23 | | |
| MCV479 | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | 12 |
| | | | | | | | 23 | | |
| MD6RAZ | Yfiler™ | | | | | | | | |
| | | | 11 | 13 | 29 | | 11 | 13 | 13 |
| 4e | 15 | 12 | | 19 | | 18 | 18 | | 12 |
| | | | | | | | 23 | | |
| MFR29K | Yfiler™ Plus | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 |
| N3ZUNP | PowerPlex® Y 23 | | | | | | | | |
| | | | | | | | 11 | | |
| 4e | 15 | | | | | | | | |
| NYK2XV | Yfiler™ Plus | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | No Result | No Result | 13 |
| 4e | 15 | 12 | 12 | No Result | 30 | 18 | 18 | 10 | 23 |
| | 37 | No Result | | 18 | 19 | 22 | 23 | | 12 |
| P7ZF2D | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | 12 |
| | | | | | | | 23 | | |
| PUL8BE | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | 12 |
| | | | | | | | 23 | | |
| Q8METG | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | 12 |
| | | | | | | | 23 | | |
| QFG96T | Yfiler™ Plus | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 |
| QJ37HB | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | 12 |
| | | | | | | | 23 | | |

TABLE 2

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

Item 4e - YSTR Results

| | | | | | | | | | |
|--------|--------------|----|-------|----|----|----|----|----|----|
| QLM6NT | Yfiler™ Plus | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 |
| QPP9RW | Yfiler™ | | | | | | | | |
| 4e | | | | | | | | | |
| RAR92L | Yfiler™ Plus | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 |
| TUERLQ | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | 12 |
| | | | | | | | 23 | | |
| TUXWDH | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | 12 |
| | | | | | | | NA | | |
| U6PJNQ | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | 12 |
| | | | | | | | 23 | | |
| UBFTYN | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | 12 |
| | | | | | | | 23 | | |
| UQPCGT | Yfiler™ Plus | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 |
| VAWYHR | Yfiler™ Plus | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 |
| VKDJA4 | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | 12 |
| | | | | | | | 23 | | |
| VQ4W4C | Yfiler™ Plus | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 |
| VQJFMA | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | 12 |
| | | | | | | | 23 | | |

TABLE 2

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

Item 4e - YSTR Results

| | | | | | | | | | |
|--------|-----------------------|-----|-------|-----|-----|-----|-----|-----|-----|
| VUNFYM | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| WB44LM | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| XL3UR8 | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| XMH7F6 | Yfiler™ | | | | | | | | |
| | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4e | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| XUW83N | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| XYN74G | PowerPlex® Y 23 | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | 23 |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | 12 |
| YB2J74 | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| ZA4QL6 | PowerPlex® Y 23 | | | | | | | | |
| 4e | | | | | | | | | |
| ZCTEAK | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| ZHXATK | Yfiler™, PowerPlex® Y | | | | | | | | |
| | | - | - | - | - | - | - | - | - |
| 4e | | - | - | - | - | - | - | - | - |
| | | - | - | - | - | - | - | - | - |
| ZMCCA4 | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | NA | | 12 |
| ZPDNKA | Yfiler™ Plus | | | | | | | | |
| 4e | | | | | | | | | |

TABLE 2

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

Item 4e - YSTR Results

| | | | | | | | | | |
|--------|-----------------|----|-------|----|----|----|----|----|----|
| ZR2ZJF | PowerPlex® Y 23 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4e | 15 | 12 | 12 | 19 | | 18 | 18 | | 23 |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | 12 |

TABLE 2

| WebCode | Amplification Kit | | | | | | | | | |
|--------------------------------|-------------------|--------|------------|----------|-----------|--------|--------|------------|---------|--|
| | DYF387S1 | DYS19 | DYS385 | DYS389_I | DYS389_II | DYS390 | DYS391 | DYS392 | DYS393 | |
| Item | DYS437 | DYS438 | DYS439 | DYS448 | DYS449 | DYS456 | DYS458 | DYS460 | DYS481 | |
| | DYS518 | DYS533 | DYS549 | DYS570 | DYS576 | DYS627 | DYS635 | DYS643 | YGATAH4 | |
| Item 4sp - YSTR Results | | | | | | | | | | |
| 22ME94 | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | 23 | |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | 12 | |
| 2932UT | Yfiler™ Plus | | | | | | | | | |
| | 35,35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 | |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 | |
| 2EV7QH | Yfiler™ Plus | | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 | |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 | |
| 2XLHDG | Yfiler™ Plus | | | | | | | | | |
| | 35,35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 | |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 | |
| 33T7QJ | Yfiler™ Plus | | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 | |
| | 37 | 13 | Not Tested | 18 | 19 | 22 | 23 | Not Tested | 12 | |
| 39X8NR | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | 12 | |
| 3HNMH3 | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | 12 | |
| 3TQW8Z | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | 12 | |
| 4L3MAM | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | 12 | |
| 4QEPWJ | Yfiler™ Plus | | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 | |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 | |
| 62A26P | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | 12 | |
| 6KPNE6 | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | 12 | |

TABLE 2

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

Item 4sp - YSTR Results

| | | | | | | | | | |
|--------|-----------------|----|-------|----|----|----|----|----|----|
| 6LGYGD | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| | 4sp | 15 | 12 | 12 | 19 | | 18 | | 12 |
| | | | | | | | 23 | | |
| 7262JF | Yfiler™ Plus | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| | 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 23 |
| | | | | 18 | 19 | 22 | 23 | | 12 |
| 73JPK8 | Yfiler™ Plus | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| | 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 23 |
| | | | | 18 | 19 | 22 | 23 | | 12 |
| 7DZCU9 | PowerPlex® Y 23 | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| | 4sp | 15 | 12 | 12 | 19 | | 18 | | 23 |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | 12 |
| 7KHM7N | Yfiler™ Plus | | | | | | | | |
| | 35,35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| | 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 23 |
| | | | | 18 | 19 | 22 | 23 | | 12 |
| 7QAVQH | Yfiler™ Plus | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| | 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 23 |
| | | | | 18 | 19 | 22 | 23 | | 12 |
| 88PGPY | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| | 4sp | 15 | 12 | 12 | 19 | | 18 | | 12 |
| | | | | | | | 23 | | |
| 9WNFNE | Yfiler™ Plus | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| | 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 23 |
| | | | | 18 | 19 | 22 | 23 | | 12 |
| A2G2U8 | Yfiler™ Plus | | | | | | | | |
| | 35,35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| | 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 23 |
| | | | | 18 | 19 | 22 | 23 | | 12 |
| AJVDMX | Yfiler™ Plus | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| | 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 23 |
| | | | | 18 | 19 | 22 | 23 | | 12 |
| AVCZWY | Yfiler™ Plus | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| | 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 23 |
| | | | | 18 | 19 | 22 | 23 | | 12 |
| B2WFZW | Yfiler™ Plus | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| | 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 23 |
| | | | | 18 | 19 | 22 | 23 | | 12 |

TABLE 2

| WebCode | Amplification Kit | | | | | | | | | |
|--------------------------------|-------------------|--------|--------|----------|-----------|--------|--------|--------|---------|--|
| | DYF387S1 | DYS19 | DYS385 | DYS389 I | DYS389 II | DYS390 | DYS391 | DYS392 | DYS393 | |
| Item | DYS437 | DYS438 | DYS439 | DYS448 | DYS449 | DYS456 | DYS458 | DYS460 | DYS481 | |
| | DYS518 | DYS533 | DYS549 | DYS570 | DYS576 | DYS627 | DYS635 | DYS643 | YGATAH4 | |
| Item 4sp - YSTR Results | | | | | | | | | | |
| B73BJW | Yfiler™ Plus | | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 | |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 | |
| BA7CVA | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | 12 | |
| BDTEXU | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | 23 | |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | 12 | |
| BMQL7Y | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | 12 | |
| BN472U | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | 12 | |
| BN7NBL | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | 23 | |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | 12 | |
| BTY4NY | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | 12 | |
| BV83Y9 | Yfiler™ Plus | | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 | |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 | |
| C7HU29 | Yfiler™ | | | | | | | | | |
| 4sp | | | | | | | | | | |
| C8VLR4 | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | 12 | |
| D68ATY | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | 23 | |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | 12 | |
| DCJQZY | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | 12 | |

TABLE 2

| WebCode | Amplification Kit | | | | | | | | | |
|--------------------------------|-------------------|--------|--------|----------|-----------|--------|--------|--------|---------|----|
| | DYF387S1 | DYS19 | DYS385 | DYS389_I | DYS389_II | DYS390 | DYS391 | DYS392 | DYS393 | |
| Item | DYS437 | DYS438 | DYS439 | DYS448 | DYS449 | DYS456 | DYS458 | DYS460 | DYS481 | |
| | DYS518 | DYS533 | DYS549 | DYS570 | DYS576 | DYS627 | DYS635 | DYS643 | YGATAH4 | |
| Item 4sp - YSTR Results | | | | | | | | | | |
| ERCB78 | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| EU4E89 | Yfiler™ Plus | | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 | |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | | 12 |
| F6VKGW | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| F82AJ7 | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | | 12 | 19 | | | 18 | | 23 | |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | | 12 |
| F8KWF3 | Yfiler™ Plus | | | | | | | | | |
| | 35,35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 | |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | | 12 |
| FDPRY3 | Yfiler™ Plus | | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 | |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | | 12 |
| FUD3L6 | Yfiler™ Plus | | | | | | | | | |
| 4sp | | | | | | | | | | |
| GB2GZW | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | 23 | |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | | 12 |
| GBF62N | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| GVL6YA | PowerPlex® Y | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | | | | | | | |
| H4W NXZ | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| H8A4CB | Yfiler™ Plus | | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 | |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | | 12 |

TABLE 2

| WebCode | Amplification Kit | | | | | | | | | |
|--------------------------------|-------------------|--------|--------|----------|-----------|--------|--------|--------|---------|----|
| | DYF387S1 | DYS19 | DYS385 | DYS389_I | DYS389_II | DYS390 | DYS391 | DYS392 | DYS393 | |
| | DYS437 | DYS438 | DYS439 | DYS448 | DYS449 | DYS456 | DYS458 | DYS460 | DYS481 | |
| Item | DYS518 | DYS533 | DYS549 | DYS570 | DYS576 | DYS627 | DYS635 | DYS643 | YGATAH4 | |
| Item 4sp - YSTR Results | | | | | | | | | | |
| HMqw4N | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| J49DKP | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| JQP3A2 | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| K2FEEX | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| KRWCLB | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | 23 |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | | 12 |
| KTRQBP | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| KYC2BB | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| L2JJ8L | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| L43HEP | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| LE4AJA | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | 23 |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | | 12 |
| LFYN9M | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| LHMZ8T | Yfiler™ Plus | | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | | 23 |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | | 12 |

TABLE 2

| WebCode | Amplification Kit | | | | | | | | | |
|--------------------------------|-------------------|--------|--------|----------|-----------|--------|--------|--------|---------|----|
| | DYF387S1 | DYS19 | DYS385 | DYS389_I | DYS389_II | DYS390 | DYS391 | DYS392 | DYS393 | |
| | DYS437 | DYS438 | DYS439 | DYS448 | DYS449 | DYS456 | DYS458 | DYS460 | DYS481 | |
| Item | DYS518 | DYS533 | DYS549 | DYS570 | DYS576 | DYS627 | DYS635 | DYS643 | YGATAH4 | |
| Item 4sp - YSTR Results | | | | | | | | | | |
| LQVWQP | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| LYBDLK | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| M6UZTV | Yfiler™ Plus | | | | | | | | | |
| | 35,35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 | |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | | 12 |
| M6Y97P | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| MCV479 | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| MD6RAZ | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| MFR29K | Yfiler™ Plus | | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 | |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | | 12 |
| N3ZUNP | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | 23 |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | | 12 |
| N9LPM8 | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | 23 |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | | 12 |
| NYK2XV | Yfiler™ Plus | | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 | |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | | 12 |
| P7ZF2D | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| PUL8BE | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |

TABLE 2

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

Item 4sp - YSTR Results

| | | | | | | | | | |
|--------|--------------|----|-------|-------|----|----|----|----|----|
| Q8METG | Yfiler™ | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4sp | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| QFG96T | Yfiler™ Plus | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 |
| 4sp | | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 |
| | | 37 | 13 | | 18 | 19 | 22 | 23 | 12 |
| QJ37HB | Yfiler™ | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4sp | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| QLM6NT | Yfiler™ Plus | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 |
| 4sp | | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 |
| | | 37 | 13 | | 18 | 19 | 22 | 23 | 12 |
| QPP9RW | Yfiler™ | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4sp | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| RAR92L | Yfiler™ Plus | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 |
| 4sp | | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 |
| | | 37 | 13 | | 18 | 19 | 22 | 23 | 12 |
| TUERLQ | Yfiler™ | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4sp | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| TUXWDH | Yfiler™ | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4sp | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| U6PJNQ | Yfiler™ | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4sp | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| UBFTYN | Yfiler™ | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4sp | | 15 | 12 | 12 | 19 | 18 | 18 | | |
| | | | | | | | 23 | | 12 |
| UQPCGT | Yfiler™ Plus | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 |
| 4sp | | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 |
| | | 37 | 13 | | 18 | 19 | 22 | 23 | 12 |
| VAWYHR | Yfiler™ Plus | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 |
| 4sp | | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 |
| | | 37 | 13 | | 18 | 19 | 22 | 23 | 12 |

TABLE 2

| WebCode | Amplification Kit | | | | | | | | | |
|--------------------------------|-------------------|--------|--------|----------|-----------|--------|--------|--------|---------|-----|
| | DYF387S1 | DYS19 | DYS385 | DYS389_I | DYS389_II | DYS390 | DYS391 | DYS392 | DYS393 | |
| Item | DYS437 | DYS438 | DYS439 | DYS448 | DYS449 | DYS456 | DYS458 | DYS460 | DYS481 | |
| | DYS518 | DYS533 | DYS549 | DYS570 | DYS576 | DYS627 | DYS635 | DYS643 | YGATAH4 | |
| Item 4sp - YSTR Results | | | | | | | | | | |
| VKDJ4A | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | | 15 | 12 | 12 | 19 | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| VQ4W4C | Yfiler™ Plus | | | | | | | | | |
| | | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4sp | | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 |
| | | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 |
| VQJFMA | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | | 15 | 12 | 12 | 19 | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| VUNFYM | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | | 15 | 12 | 12 | 19 | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| WB44LM | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | | 15 | 12 | 12 | 19 | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| XL3UR8 | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | | 15 | 12 | 12 | 19 | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| XMH7F6 | Yfiler™ | | | | | | | | | |
| | N/A | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | | 15 | 12 | 12 | 19 | N/A | 18 | 18 | N/A | N/A |
| | N/A | N/A | N/A | N/A | N/A | N/A | 23 | N/A | | 12 |
| XUW83N | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | | 15 | 12 | 12 | 19 | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| XYN74G | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | | 15 | 12 | 12 | 19 | 18 | 18 | | | 23 |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | | 12 |
| YB2J74 | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | | 15 | 12 | 12 | 19 | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |
| ZA4QL6 | PowerPlex® Y 23 | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | | 15 | 12 | 12 | 19 | 18 | 18 | | | 23 |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | | 12 |
| ZCTEAK | Yfiler™ | | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 | |
| 4sp | | 15 | 12 | 12 | 19 | 18 | 18 | | | |
| | | | | | | | 23 | | | 12 |

TABLE 2

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

Item 4sp - YSTR Results

| | | | | | | | | | |
|--------|-----------------------|----|-------|----|----|----|----|----|----|
| ZHXATK | Yfiler™, PowerPlex® Y | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | 23 |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | 12 |
| ZMCCA4 | Yfiler™ | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | 23 |
| | | | | | | | 23 | | 12 |
| ZPDNKA | Yfiler™ Plus | | | | | | | | |
| | 35 | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4sp | 15 | 12 | 12 | 19 | 30 | 18 | 18 | 10 | 23 |
| | 37 | 13 | | 18 | 19 | 22 | 23 | | 12 |
| ZR2ZJF | PowerPlex® Y 23 | | | | | | | | |
| | | 14 | 11,14 | 13 | 29 | 21 | 11 | 13 | 13 |
| 4sp | 15 | 12 | 12 | 19 | | 18 | 18 | | 23 |
| | | 13 | 13 | 18 | 19 | | 23 | 10 | 12 |

Additional DNA Results

TABLE 3

Additional DNA results found to be concordant at a pre-existing locus are retained solely within the applicable tables. Non-concordant results and results for loci not found elsewhere will remain in this table.

| Locus | WebCode | Item 1 | Item 2 | Item 3 | Item 3e | Item 3sp | Item 4 | Item 4e | Item 4sp |
|-------|---------|--------|--------|--------|---------|----------|--------|---------|----------|
|-------|---------|--------|--------|--------|---------|----------|--------|---------|----------|

No additional DNA results were reported for release.

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 |
| 22ME94 | Yes | Yes | No | No | 7262JF | Yes | Yes | No | No |
| 2932UT | Yes | Yes | No | No | 73JPK8 | Yes | Yes | No | No |
| 29HLEP | Yes | Yes | No | No | 7DZCU9 | Yes | Yes | No | No |
| 2EV7QH | Yes | Yes | No | No | 7JRGPX | Yes | Yes | No | No |
| 2VHK4A | Yes | Yes | No | No | 7KHM7N | Yes | Yes | No | No |
| 2XLHDG | Yes | Yes | No | No | 7LXEAL | Yes | No | No | No |
| 33T7QJ | Yes | Yes | No | No | 7QAVQH | Yes | Yes | No | No |
| 38NWWU | Yes | Yes | No | No | 7X6V3P | Yes | Yes | No | No |
| 39X8NR | Yes | Yes | No | No | 84TYBJ | Yes | Yes | No | No |
| 3BN73P | Yes | Yes | No | No | 88PGPY | Yes | Yes | No | No |
| 3HNMH3 | Yes | Yes | No | No | 9P6AR8 | Yes | Yes | No | No |
| 3TQW8Z | Yes | Yes | No | No | 9WNFNE | Yes | Yes | No | No |
| 3UZ4AT | Yes | Yes | No | No | A2G2U8 | Yes | Yes | No | No |
| 3VBUCH | Yes | Yes | No | No | AJVDMX | Yes | Yes | No | No |
| 43BPW2 | Yes | Yes | No | No | AVCZWY | Yes | Yes | No | No |
| 4K7AMU | Yes | Yes | No | No | B2WFZW | Yes | Yes | No | No |
| 4L3MAM | Yes | Yes | No | No | B73BJW | Yes | Yes | No | No |
| 4QEPWJ | Yes | Yes | No | No | BA7CVA | Yes | Yes | No | No |
| 62A26P | Yes | Yes | No | No | BDTEXU | Yes | Yes | No | No |
| 6FRJQL | Yes | Yes | No | No | BMQL7Y | Yes | Yes | No | No |
| 6KPNE6 | Yes | Yes | No | No | BN472U | Yes | Yes | No | No |
| 6LGYGD | Yes | Yes | No | No | BN7NBL | Yes | Yes | No | No |
| 6WZ6ZF | Yes | Yes | No | No | BPEX64 | Yes | Yes | No | No |
| 6ZWUGM | Yes | Yes | No | No | BTY4NY | Yes | Yes | No | No |

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 |
| BV83Y9 | Yes | Yes | No | No | GFF6ME | Yes | Yes | Yes | No |
| C7HU29 | Yes | Yes | No | No | GVL6YA | Yes | Yes | No | No |
| C8VLR4 | Yes | Yes | No | No | GWXC9B | Yes | Yes | No | No |
| CD2M4E | Yes | No | No | No | GXBW8D | Yes | Yes | No | No |
| CN2T6K | Yes | Yes | No | No | H4WNXZ | Yes | Yes | No | No |
| CQMZHA | Yes | Yes | No | No | H8A4CB | Yes | Yes | No | No |
| CQPB9R | Yes | Yes | No | No | HMQW4N | Yes | Yes | No | No |
| CY6BVB | Yes | Yes | No | No | HZAJAF | Yes | Yes | No | No |
| D68ATY | Yes | Yes | No | No | J47ME8 | Yes | Yes | No | No |
| DCJQZY | Yes | Yes | No | No | J49DKP | Yes | Yes | No | No |
| DHAZ9B | Yes | Yes | No | No | JQP3A2 | Yes | Yes | No | No |
| ECKV2T | Yes | Yes | No | No | K2FEXX | Yes | Yes | No | No |
| EMFWRB | Yes | Yes | No | No | K4ACH6 | Yes | Yes | No | No |
| ERCB78 | Yes | Yes | No | No | KH9GMV | Yes | Yes | No | No |
| EU4E89 | Yes | Yes | No | No | KRWCLB | Yes | Yes | No | No |
| EYA94P | Yes | Yes | No | No | KTRQBP | Yes | Yes | No | No |
| EZPMHQ | Yes | Yes | No | No | KVR264 | Yes | Yes | No | No |
| F6VKGW | Yes | Yes | No | No | KYC2BB | Yes | Yes | No | No |
| F82AJ7 | Yes | Yes | No | No | L2JJ8L | Yes | Yes | No | No |
| F8KWF3 | Yes | Yes | No | No | L3UZ8Z | Yes | Yes | No | No |
| FD9GJH | Yes | Yes | No | No | L43HEP | Yes | Yes | No | No |
| FDPY3 | Yes | Yes | No | No | L44HC4 | Yes | Yes | No | No |
| FUD3L6 | Yes | Yes | No | No | LE4AJA | Yes | Yes | No | No |
| FZ4DXN | Yes | Yes | No | No | LFYN9M | Yes | Yes | No | No |
| GB2GZW | Yes | Inc | No | No | LHMZ8T | Yes | Yes | No | No |
| GBF62N | Yes | Yes | No | No | LQVWQP | Yes | Yes | No | No |

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 |
| LYBDLK | Yes | Yes | No | No | TUERLQ | Yes | Yes | No | No |
| M6UZTV | Yes | Yes | No | No | TUXWDH | Yes | Yes | No | No |
| M6Y97P | Yes | Yes | No | No | U6PJNQ | Yes | Yes | No | No |
| MCV479 | Yes | Yes | No | No | UBFTYN | Yes | Yes | No | No |
| MD6RAZ | Yes | Yes | No | No | UQPCGT | Yes | Yes | No | No |
| MFEAHP | Yes | Inc | No | No | VAWYHR | Yes | Yes | No | No |
| MFR29K | Yes | Yes | No | No | VKDJA | Yes | Yes | No | No |
| N3ZUNP | Yes | Inc | No | No | VQ4W4C | Yes | Yes | No | No |
| N9LPM8 | Yes | Yes | No | No | VQJFMA | Yes | Yes | No | No |
| NMRTZE | Yes | Yes | No | No | VUNFYM | Yes | Yes | No | No |
| NY3237 | Yes | Yes | No | No | WB44LM | Yes | Yes | No | No |
| NYK2XV | Yes | Yes | No | No | X8GGBR | Yes | Yes | No | No |
| P7ZF2D | Yes | Yes | No | No | X8GGDC | Yes | No | No | No |
| PTXPKE | Yes | Yes | No | No | X8NGK8 | Yes | Yes | No | No |
| PUL8BE | Yes | Yes | No | No | XL3UR8 | Yes | Yes | No | No |
| Q3AH3L | Yes | Yes | No | No | XMH7F6 | Yes | Yes | No | No |
| Q7T6MZ | Yes | Inc | No | No | XRCPWG | Yes | Yes | No | No |
| Q8METG | Yes | Yes | No | No | XUJAEQ | Yes | Yes | No | No |
| QFG96T | Yes | Yes | No | No | XUW83N | Yes | Yes | No | No |
| QGARW2 | Yes | Yes | No | No | XYN74G | Yes | Yes | No | No |
| QJ37HB | Yes | Yes | No | No | YB2J74 | Yes | Yes | No | No |
| QLM6NT | Yes | Yes | No | No | YLFKFH | Yes | Yes | No | No |
| QPP9RW | Yes | Inc | No | No | ZA4QL6 | Yes | Yes | No | No |
| RABYB7 | Yes | Yes | No | No | ZCTEAK | Yes | Yes | No | No |
| RAR92L | Yes | Yes | No | No | ZHXATK | Yes | Yes | No | No |
| RKP9FB | Yes | Yes | No | No | ZMCCA4 | Yes | Yes | No | No |

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 |
| ZPDNKA | Yes | Yes | No | No | | | | | |
| ZR2ZJF | Yes | Yes | No | No | | | | | |
| ZV32JC | Yes | Yes | No | No | | | | | |
| ZX7W4F | Yes | Yes | No | No | | | | | |

| DNA Interpretation | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------|------------------------------------------------|------------------|---------------|
| Response Summary | | | Participants reporting DNA results: 156 | | |
| <i>Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 & 4)?</i> | | | | | |
| | | Victim (Item 1) | | Suspect (Item 2) | |
| | | <u>Item 3</u> | <u>Item 4</u> | <u>Item 3</u> | <u>Item 4</u> |
| Yes | | 156 | 148 | 1 | 0 |
| No | | 0 | 3 | 155 | 156 |
| Inc | | 0 | 5 | 0 | 0 |
| No Interpretation | | 0 | 0 | 0 | 0 |
| No Response | | 0 | 0 | 0 | 0 |

Participants analyzing DNA for database purposes only: 0

Additional Comments

TABLE 5

| WebCode | Additional Comments |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2932UT | NR= No Results |
| 2EV7QH | NR = No Results |
| 2XLHDG | Item 1 not analyzed for Y-STR. NR=No results. |
| 39X8NR | Y-STR analysis was not performed on items 1 or 3 because no male DNA was detected using Quantifiler Trio. Weak alleles are enclosed with brackets []. |
| 3HNMH3 | NR = No Results |
| 3TQW8Z | "[] - indicates minor allele/s and alleles between analytical and stochastic thresholds". Item #2: DYS393 failed to amp with Yfiler. Item #4: The epithelial fraction was not amplified with Yfiler. |
| 43BPW2 | A sample from item 4 initially underwent a differential extraction. No DNA was obtained from the epithelial fraction so another sample was submitted for a normal (non-differential) extraction which is why there are two lots of results for item 4. |
| 62A26P | Y-STR analysis was not performed on items 1 or 3 because no male DNA was detected using Quantifiler Trio. |
| 6KPNE6 | "[] - indicates minor allele/s and alleles between analytical and stochastic thresholds". |
| 7JRGPX | 1. Item 1 and Item 2, Item 3 and Item 4 were extracted using Chelex Extraction Method. 2. Then it was quantified using Quantifiler Human DNA Quantification Kit and carried out by 7500 Real Time PCR. 3. Amplification was done using AmpFLSTR Identifiler Plus Kit. 4. Item 2 and Item 4 were amplified using Yfiler Kit in the 9700 Thermal Cycler. 5. Electrophoresis process were carried out by Genetic Analyzer 3500xl for Item 1 to Item 4 and analyzed with GeneMapper ID-X Software. 6. Reagent blank, positive control and negative control were carried out along with the analysis and all gave the intended results. |
| 88PGPY | NR = No Results. |
| A2G2U8 | NR = no results |
| AJVDMX | NR= No Results |
| AVCZWY | NR = No Results |
| B73BJW | () = Minor component. [] = Allele below laboratory's stochastic threshold of 800 rfu for that locus. |
| BTY4NY | [] - indicates minor allele/s and alleles between analytical and stochastic thresholds. |
| BV83Y9 | DYS391 in samples 2 and 4 were concordant in both GF and YFP. |
| CD2M4E | Note that on Item 4 we have mixture of blood (B) and full profile of post coital which excludes suspect but can be almost fully be read in the mixture expect in D18S51. |
| CQPB9R | ND = No DNA detected. |
| DCJQZY | Item 1, Item 2 and Item 3 were extracted by using organic extraction. Item 4 was extracted by using organic extraction for differential extraction. Extracted DNA samples were amplified using Amplified Biosystem AmpFLSTR Identifiler Plus (STR) and Yfiler (STR) kits. Separation and detection of amplified products were performed using Applied Biosystems 3500xL Genetic Analyzer and analysis was carried out by GeneMapper ID-X Software v1.5 |
| ECKV2T | Recommend accurate description of testing done for item 4 to more closely mimic what would be done in casework. In this test, our lab would have called item 4 "blood and semen stain" or blood and presumptive semen stain," not "blood stain." |
| EU4E89 | Obtained low quant values on both sperm and non-sperm fractions after extraction. I developed full interpretable profiles from the sperm fraction but I did not develop an interpretable STR profile from the non-sperm fraction. |
| EYA94P | 1. Item 1, Item 2, Item 3 and Item 4 were extracted using Chelex method. Then, it was quantified using Quantifiler Human DNA quantitation kit and carried out on 7500 Real Time PCR. Amplification done |

TABLE 5

| WebCode | Additional Comments |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | using AmpFISTR Identifiler Plus kit. 2. Item 2 and Item 4 were amplified using Yfiler kit in the 9700 Thermal Cycler. 3. Electrophoresis process were carried out using Genetic Analyzer 3130xL and analyze using GeneMapper ID Software. 4. Reagent blank, positive and negative control were carried out along with the analysis and all gave the intended results. |
| F6VKGW | Multiplex PCR amplifications were performed on the Organic @ Phenol/Chloroform (Item 1, Item 2, Item 3 and Item 4) extracted DNA samples using the Applied Biosystems AmpFiSTR® Identifiler® Plus (STR) and Yfiler® (YSTR) amplification kits. Separation and detection of the amplified products were carried out using the Applied Biosystems 3500xL Genetic Analyzer and the data was analyzed by GeneMapper® ID-X v1.5 software. |
| F82AJ7 | Loci DYS438 and DYS456 in the Y-STR profile from the sperm fraction of Item 4 were not reported because the loci were inconclusive due to artifacts that are not covered by laboratory protocol. |
| F8KWF3 | NR = No Results |
| FDPY3 | GlobalFiler --- = No results Y-Indel, DYS391. YFiler Plus NR = No results. |
| FZ4DXN | 1. Item 1 and Item 2, item 3 and Item 4 were extracted using Chelex Extraction Method. 2. Then it was quantified using Quantifiler Human DNA Quantification Kit and carried out by 7500 Real Time PCR. 3. Amplification was done using AmpFLSTR Identifiler Plus Kit. 4. Item 2 and Item 4 were amplified using YFiler in the 9700 Thermal Cycler. 5. Electrophoresis process were carried out by Genetic Analyzer 3500xL for Item 1 to Item 4 and analyzed with GeneMapper ID-X Software. 6. Reagent blank, positive control and negative control were carried out along with the analysis and all gave the intended results. |
| GB2GZW | Migration at the 14 allele in the DYS437 locus. Item 3 tested negative for semen, however Item 3 was unintentionally differentially extracted. |
| GBF62N | NR = No results |
| GVL6YA | Single unknown male, who is NOT the Suspect (Item-2), is the 2nd contributor to Item-4. The Victim's DNA (Item-1) is also detected on Item-4. |
| H8A4CB | NR = No Results |
| HMQW4N | NR = NO RESULT |
| L2JJ8L | No male DNA detected for Item 1 and Item 3. |
| LYBDLK | NR = No Results |
| M6UZTV | NR = no results. Y-STR analysis was performed on item 3; however, no results were obtained. Y-STR analysis was not performed on item 1 (female victim). |
| M6Y97P | [] - indicates minor allele/s and alleles between analytical and stochastic thresholds. |
| MFR29K | NR = No result |
| N3ZUNP | The Powerplex Y23 profile for Item 2 contained an anomalous migration of the 14 allele at DYS437. |
| NMRTZE | ND = no DNA detected. () = minor allele. |
| P7ZF2D | [] - indicates minor allele/s and alleles between analytical and stochastic thresholds. |
| PUL8BE | Item 2 (Suspect) is eliminated as a contributor to Item 4 (sperm and epithelial fractions). Item 1 (Victim) is not eliminated as a contributor to Item 4 (epithelial fraction). Item 2 (Suspect) is eliminated as a contributor to Item 3. Item 1 (Victim) is not eliminated as a contributor to Item 3. |
| Q7T6MZ | According to our SOP, if the reference sample is excluded on 1 or 2 alleles but the alleles are present on the electropherogram of the sample and cannot be labeled as they are below the threshold, no conclusion can be made about whether that reference sample is a contributor to that sample or not. |
| Q8METG | Note: Samples were imported from GeneMapper-IDX into CTS. Upon import of Yfiler data, no data was generated in the DYS391 reporting area for the three samples subjected to Yfiler; instead, it put the alleles in the "Additional Loci" tab automatically. Since allele calls were generated using Yfiler for these samples they were removed from the "Additional Loci" tab and placed in the correct area associated with the Yfiler kit. |

TABLE 5

| WebCode | Additional Comments |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| QGARW2 | RMP item 1 = 6.73E+34. RMP item 2 = 1.02E+33. LR item 3 = (item 1 + 1unk)/2unk = 3.15E+19 (d.o. = 0.58). LR item 3 = (item 2 + 1unk)/2unk = 7.78E-05 (d.o. = 0.37). LR item 4 = (item 1 + 1unk)/2unk = 1.65E+14 (d.o. = 0.1). LR item 4 = (item 2 + 1unk)/2unk = 1.97E-25 (d.o. = 0.1). |
| QJ37HB | [] = Minor alleles |
| RKP9FB | 1. Item 1, Item 2, Item 3 and Item 4 were extracted via Chelex Protocol. 2. The extracted DNA were quantified using Quantifiler Human DNA Quantification Kit and further amplified using AMPFISTR Identifiler Plus kit for STR analysis. 3. Y-STR analysis were carried out on Item 2 and Item 4. 4. Electrophoresis for the amplicons were carried out using Genetic Analyzer 3500xl. 5. Reagent Blank, Positive Control and Negative Control were included in every stages of DNA analysis and all gave the intended results. |
| TUXWDH | [] Indicates Minor allele/s and alleles between analytical and stochastic thresholds. DY635 failed to amp for the epithelial fraction of item #4. |
| VKDJA | NR = no results |
| VQ4W4C | NR = No results. () = Minor component alleles. |
| VQJFMA | NR = No Results |
| X8NGK8 | Item 3: Apparent blood was detected on suspects shirt. Female victim cannot be excluded as the source. Item 4: Differential semen extraction; female victim cannot be excluded as the source of the epithelial fraction; An UNKNOWN male individual cannot be excluded as the source of the semen fraction. Suspect reference sample was excluded as the DNA source within the semen fraction. Item 4: In addition, a section of the blood stain was cut and analysed. Female victim cannot be excluded as the source. |
| XL3UR8 | NR = No Results |
| XMH7F6 | [] - indicates minor allele/s and alleles between analytical and stochastic thresholds. Epithelial fraction of item #4 was not amplified with Yfiler. |
| YB2J74 | [] - indicates minor allele/s and alleles between analytical and stochastic thresholds. |
| ZMCCA4 | [] Indicates Minor allele/s and alleles between analytical and stochastic thresholds. DYS635 failed to amp for the epithelial fraction of item #4. |
| ZPDNKA | The genetic profile of item (1) refers to single female (victim). The genetic profile of item (2) refers to single male (suspect). Item (3) was positive blood and the genetic profile of the blood refers to single female (victim). Item (4) was positive blood, positive semen and differential extraction was performed. The genetic profile of the blood refers to single female (victim) and The genetic profile of the semen refers to single male (not the suspect) |

Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

Test No. 18-5801: DNA-Mixture

DATA MUST BE RECEIVED BY March 5, 2018 TO BE INCLUDED IN THE REPORT

Participant Code:

WebCode:

Accreditation Release Statement

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

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

Scenario:

Police are investigating the sexual assault and murder of a female victim. The victim's body was discovered in an alley behind a bar with her pants pulled down around her ankles. Upon investigation, a reddish stain was found on the victim's pants. Using security footage from the bar, a suspect was identified and apprehended. While apprehending the suspect, the arresting officers noticed a reddish stain on the suspect's shirt. Investigators are submitting stains from both the suspect's shirt (Item 3) and victim's pants (Item 4). Screening has been performed on both samples with the following results: Item 3 (suspect's shirt) is positive for blood, and Item 4 (victim's pants) is positive for blood and semen. The screening lab is submitting these samples (Items 3 and 4) along with known blood samples from the female victim and male suspect.

Items Submitted (Sample Pack S1):

- Item 1: Known blood from the female victim
- Item 2: Known blood from the male suspect
- Item 3: Questioned blood stain from the suspect's shirt (light yellow)
- Item 4: Questioned blood stain from the victim's pants (chocolate brown)

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 policy for reporting homozygotes.
- * Stains with more than one contributor: If a differential extraction is performed, split the box with a horizontal line and report the results of the different fractions above and below the line - indicate which is the sperm fraction (sp) and which is the epithelial fraction (e) (Example A); otherwise, list the alleles in numerical order (Example B).

| Example | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 | |
|----------------|-----------------|------------|--------|------------|---------|---------|-------|
| A | <i>e</i> | 10,11 | 15,16 | 8 | 12,13 | 7 | 8 |
| | <i>sp</i> | 12,13 | 15,17 | 8,17 | 11 | 14,15 | 11,13 |
| B | [10],[11],12,13 | 15,[16],17 | 8,17 | [11],12,13 | 7,14,15 | 8,11,13 | |

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

Reporting of YSTR alleles generated from primarily autosomal STR multiplex systems.

- 1) The YSTR loci commonly generated using STR multiplex systems are now included in the STR section. (DYS391, DYS570, DYS576, Y Indel)
- 2) There is no longer a need to transcribe YSTR results from STR multiplex systems to the YSTR section.

For probabilistic genotyping software, a text field has been added directly below the amplification kit section for each item to capture which software was used.

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: Please check the brands used for this item and record only additional kit specific information in the blank provided (i.e. 16, Direct, etc.).

Identifiler® _____
 GlobalFiler™ _____
 Investigator® 24plex _____
 PowerPlex® _____ Other _____

Report the Probabilistic Genotyping Software Used (if applicable): _____

| | | | | | | |
|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| ITEM | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| ITEM | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| ITEM | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| ITEM | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| ITEM | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |
| 1 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |

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

Yfiler® _____
 PowerPlex® Y _____
 Other _____

| | | | | | | | | | |
|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| ITEM | DYF387S1 | DYS19 | DYS385 | DYS389-I | DYS389-II | DYS390 | DYS391 | DYS392 | DYS393 |
| 1 | <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"/> |
| ITEM | DYS437 | DYS438 | DYS439 | DYS448 | DYS449 | DYS456 | DYS458 | DYS460 | DYS481 |
| 1 | <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"/> |
| ITEM | DYS518 | DYS533 | DYS549 | DYS570 | DYS576 | DYS627 | DYS635 | DYS643 | Y GATA H4 |
| 1 | <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 2

STR Amplification Kit(s) Used: Please check the brands used for this item and record only additional kit specific information in the blank provided (i.e. 16, Direct, etc.).

Identifiler® _____
 GlobalFiler™ _____
 Investigator® 24plex _____
 PowerPlex® _____
 Other _____

Report the Probabilistic Genotyping Software Used (if applicable): _____

| | | | | | | |
|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| ITEM | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| 2 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| ITEM | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| 2 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| ITEM | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| 2 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| ITEM | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| 2 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| ITEM | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |
| 2 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |

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

Yfiler® _____
 PowerPlex® Y _____
 Other _____

| | | | | | | | | | |
|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| ITEM | DYF387S1 | DYS19 | DYS385 | DYS389-I | DYS389-II | DYS390 | DYS391 | DYS392 | DYS393 |
| 2 | <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"/> |
| ITEM | DYS437 | DYS438 | DYS439 | DYS448 | DYS449 | DYS456 | DYS458 | DYS460 | DYS481 |
| 2 | <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"/> |
| ITEM | DYS518 | DYS533 | DYS549 | DYS570 | DYS576 | DYS627 | DYS635 | DYS643 | Y GATA H4 |
| 2 | <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 Questioned Item 3

STR Amplification Kit(s) Used: Please check the brands used for this item and record only additional kit specific information in the blank provided (i.e.16, Direct, etc.).

Identifiler® _____
 GlobalFiler™ _____
 Investigator® 24plex _____

PowerPlex® _____
 Other _____

Report the Probabilistic Genotyping Software Used (if applicable): _____

| | | | | | | |
|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| ITEM | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| 3 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| ITEM | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| 3 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| ITEM | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| 3 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| ITEM | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| 3 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| ITEM | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |
| 3 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |

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

Yfiler® _____
 PowerPlex® Y _____
 Other _____

| | | | | | | | | | |
|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| ITEM | DYF387S1 | DYS19 | DYS385 | DYS389-I | DYS389-II | DYS390 | DYS391 | DYS392 | DYS393 |
| 3 | <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"/> |
| ITEM | DYS437 | DYS438 | DYS439 | DYS448 | DYS449 | DYS456 | DYS458 | DYS460 | DYS481 |
| 3 | <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"/> |
| ITEM | DYS518 | DYS533 | DYS549 | DYS570 | DYS576 | DYS627 | DYS635 | DYS643 | Y GATA H4 |
| 3 | <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 Questioned Item 4

STR Amplification Kit(s) Used: Please check the brands used for this item and record only additional kit specific information in the blank provided (i.e. 16, Direct, etc.).

Identifiler® _____
 GlobalFiler™ _____
 Investigator® 24plex _____

PowerPlex® _____
 Other _____

Report the Probabilistic Genotyping Software Used (if applicable): _____

| | | | | | | |
|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| ITEM | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D6S1043 |
| 4 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| ITEM | D7S820 | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 |
| 4 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| ITEM | D18S51 | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO |
| 4 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| ITEM | FGA | Penta D | Penta E | SE33 | TH01 | TPOX |
| 4 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| ITEM | vWA | DYS391 | DYS570 | DYS576 | Y Indel | |
| 4 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |

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

Yfiler® _____
 PowerPlex® Y _____
 Other _____

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

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> | |
|--------------------------------------------|--------------------------|--------------------------------------------|--------------------------|
| Item 3 | Item 4 | Item 3 | Item 4 |
| Yes <input type="checkbox"/> | <input type="checkbox"/> | Yes <input type="checkbox"/> | <input type="checkbox"/> |
| No <input type="checkbox"/> | <input type="checkbox"/> | No <input type="checkbox"/> | <input type="checkbox"/> |
| Inconclusive <input type="checkbox"/> | <input type="checkbox"/> | Inconclusive <input type="checkbox"/> | <input type="checkbox"/> |
| No Interpretation <input type="checkbox"/> | <input type="checkbox"/> | No Interpretation <input type="checkbox"/> | <input type="checkbox"/> |

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

Part III: ADDITIONAL COMMENTS

Comments regarding any part of this 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 accreditation are asked to report any additional information that will assist in the review of their results. This includes an explanation of any deviations from a full completion of the test and/or unique findings such as elevated stutter.

| | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------|
| Return Instructions: Data must be received via online data entry, fax (please include a cover sheet), or mail by March 05, 2018 to be included in the report. Emailed data sheets are not accepted. | | ONLINE DATA ENTRY: www.cts-portal.com |
| QUESTIONS? | | FAX: +1-571-434-1937 |
| TEL: +1-571-434-1925 (8 am - 4:30 pm EST) | | MAIL: Collaborative Testing Services, Inc. |
| EMAIL: forensics@cts-interlab.com | | P.O. Box 650820 |
| www.ctsforensics.com | | Sterling, VA 20165-0820 USA |

Please return all pages of this data sheet.

Collaborative Testing Services - Forensic Testing Program

RELEASE OF DATA TO ACCREDITATION BODIES

The following Accreditation Releases will apply only to:

Participant Code:

WebCode:

for Test No. **18-5801: DNA-Mixture**

This release page must be completed and received by **March 5, 2018** to have this participant's submitted data included in the reports forwarded to the respective Accreditation Bodies.

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

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

ANAB Certificate No. _____
(Include ASCLD/LAB Certificate here)

A2LA Certificate No. _____

Step 2: Complete the Laboratory Identifying Information in its entirety

Signature and Title _____

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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