



Forensic Biology Test No. 15-573 Summary Report

This proficiency test was sent to 431 participants. Each participant received a sample pack consisting of two known bloodstains and two questioned stains which they were requested to analyze using their existing protocols. Data were returned from 363 participants (84% response rate) and are compiled into the following tables:

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

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

Manufacturer's Information

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

SAMPLE PREPARATION: The stains in Items 1 - 3 were prepared from human whole blood which was drawn into citric acid preservative bloodbank bags. Item 4 was a mixture prepared from human whole blood and semen. The semen, procured from a cryobank, was from a single donor, but stored frozen in multiple vials at -196°C in liquid nitrogen tanks. The semen was thawed and first mixed 1:1 with TAE buffer, then mixed 1:1 with the blood. This mixture was used to spot the Item 4 substrate. Items 1 ($75\ \mu\text{l}$) and 3 ($50\ \mu\text{l}$) were created using blood collected from the same female donor and Item 2 ($75\ \mu\text{l}$) was created using blood collected from a male donor. The Item 4 ($50\ \mu\text{l}$) mixture contained the blood from the Item 1 female donor and semen from the Item 2 donor. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on April 13, 2015 following receipt of predistribution results.

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

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

Manufacturer's Information, continued**Amelogenin and STR Results***Results compiled by predistribution laboratories and a consensus of at least 10 participants.*

| | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|---------|--|--|---|--|---|--|
| 1 | 15,15.3 12,17 12,13 10,11 | 17,22 13,15 28,32.2 12,12 | 10,14 19,20 15,16 14,28.2 | 16,16 12,13 X,X 9.3,9.3 | 11,12 9,9 10,14* 8,8 | 9,13 13,16 22,23 16,16 |
| 2 | 11,15 11,16 15.2,16 9,13 | 23,25 12,15 28,31.2 11,15 | 11,14 19,22 15,15 29.2,30.2 | 15,16 8,12 X,Y 9,10 | 11,12 12,12 11,12 8,11 | 9,11 15,17 20,21 14,17 |
| 3 | 15,15.3 12,17 12,13 10,11 | 17,22 13,15 28,32.2 12,12 | 10,14 19,20 15,16 14,28.2 | 16,16 12,13 X,X 9.3,9.3 | 11,12 9,9 10,14* 8,8 | 9,13 13,16 22,23 16,16 |
| 4-Blood | 15,15.3 12,17 12,13 10,11 | 17,22 13,15 28,32.2 12,12 | 10,14 19,20 15,16 14,28.2 | 16,16 12,13 X,X 9.3,9.3 | 11,12 9,9 10,14* 8,8 | 9,13 13,16 22,23 16,16 |
| 4-Semen | 11,15 11,16 15.2,16 9,13 | 23,25 12,15 28,31.2 11,15 | 11,14 19,22 15,15 ‡ | 15,16 8,12 X,Y 9,10 | 11,12 12,12 11,12 8,11 | 9,11 15,17 20,21 14,17 |

*Two common responses were reported by participants at this locus; further details are available in the Summary Comments found on the following page.

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

| | DYS19 DYS437 DYS549 | DYS385 DYS438 DYS570 | DYS389-I DYS439 DYS576 | DYS389-II DYS448 DYS635 | DYS390 DYS456 DYS643 | DYS391 DYS458 Y GATA H4 | DYS392 DYS481 Y Indel | DYS393 DYS533 |
|---------|--|---|---|--|---|--|--|--------------------------------|
| 2 | 14 15 12 | 11,13 12 17 | 13 13 18 | 29 18 23 | 24 16 10 | 11 17 12 | 14 24 ‡ | 13 13 |
| 4-Semen | 14 15 12 | 11,13 12 17 | 13 13 18 | 29 18 23 | 24 16 10 | 11 17 12 | 14 24 ‡ | 13 13 |

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

Summary Comments

The 15-573 Forensic Biology test was designed to allow participants to assess their proficiency in the identification and comparison of dried stains by means of body fluid screening and/or DNA profiling. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Items 1 and 3 were created using blood collected from the same female donor and Item 2 was created using blood collected from a male donor. The Item 4 mixture contained the blood from the Item 1 female donor and semen from the Item 2 donor. (See Manufacturer's Information for preparation details)

Data were returned by a total of 363 participants, 351 of whom reported DNA results. All 12 remaining participants reported only screening results.

Screening Test Results

For Item 3, all 342 participants that reported results for blood were positive. All 324 that reported results for semen were negative. All 93 that reported results for saliva were negative.

For Item 4, all 342 participants that reported results for blood were positive. All 328 that reported results for semen were positive. There were 101 participants that reported negative results for saliva and one that was inconclusive.

DNA Analysis Results

Of the 351 participants reporting DNA results, 12 did not report interpretations. Of these, 10 stated that they analyzed the samples for database purposes only and the remaining two left this section blank.

For the Item 3 stain, all 339 participants included the victim (Item 1) as a possible contributor. There were 338 participants that excluded the suspect (Item 2) as a possible contributor to the Item 3 stain and one participant that included the suspect (Item 2). For the Item 4 mixture, there were 337 participants that included the victim (Item 1) as a possible contributor and one that excluded the victim (Item 1). All 339 participants included the suspect (Item 2) as a possible contributor to the Item 4 mixture.

The majority of participants reported "10,14" at CSF1PO for Items 1 and 3 however, over 25% of participants either reported an additional "15" allele at this locus or mentioned the allele in their Additional Comments. For Item 4e, approximately 22% of participants reported or discussed in their Additional Comments the additional "15" allele at CSF1PO. For this reason, both variations for Items 1, 3 and 4e have not been highlighted as inconsistent.

Twelve participants reported allelic results that differed from the consensus/predistribution testing results. Six participants were missing alleles at one or more loci. Four participants reported additional alleles at one or more loci and two reported inconsistent alleles at one or more loci.

Key for Screening Tests Used

Participants were asked to use, where possible, the following chart of abbreviated screening test names. This was not an all inclusive list and was not designed to determine what tests should be performed. Participants were advised that tests not on this list may be used for screening.

| Test | Abbreviation |
|-----------------------------|--------------|
| Acid Phosphatase | AP |
| Kastle Meyer | KM |
| Leucomalachite Green | LMG |
| Microscopic | Micro |
| Ortho-tolidine | O-tol |
| Phenolphthalein-Tetramethyl | PTMB |
| Prostate Specific Antigen | PSA |
| Quantiblot | QB |
| Quantifiler | QF |
| Tetramethyl benzidine | TMB |

Serology Screening Results

Indicate the results of any screening tests performed on the questioned stains for body fluid identification and human origin determination.

TABLE 1

| Webcode | Fluid ID | | | |
|----------------|---------------------------------------|--------------------------------|---------------------|---|
| | Blood | Semen | Saliva | Other |
| 23RCU9 | | | | |
| Item 3 | Pos LMG, ALS, Species (α-HuHb) | Neg ALS, AP, PSA, Micro | NT | |
| Item 4 | Pos LMG, ALS, Species (α-HuHb) | Pos ALS, AP, PSA, Micro | NT | |
| 2DD7G3 | | | | |
| Item 3 | Pos Hemastix, HemaTrace | Neg AP | NT | |
| Item 4 | Pos Hemastix, HemaTrace | Pos AP, PSA, Micro | NT | |
| 2GBUQH | | | | |
| Item 3 | Pos HemaTrace | Neg p30, Micro | NT | |
| Item 4 | Pos HemaTrace | Pos p30, Micro | NT | |
| 2JXGD4 | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg ALS, AP | NT | |
| Item 4 | Pos LMG, HemaTrace | Pos ALS, AP, PSA | | |
| 2KED4H | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, PSA, Micro | Neg Phadebas | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | Neg Phadebas | |
| 2RTGTW | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg AP, Micro | NT | |
| Item 4 | Pos LMG, HemaTrace | Pos AP, Micro | NT | |
| 2YCR2Q | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | NT | |
| Item 4 | Pos KM, HemaTrace | Pos AP, Micro, PSA | NT | |
| 2YYYYLQ | | | | |
| Item 3 | Pos KM, RSID-Blood, HemaTrace | Neg AP, p30 | Neg Phadebas | Urine, feces, Neg RSID-Urine, Urobilinogen |
| Item 4 | Pos KM, RSID-Blood, HemaTrace | Pos Micro-Sperm, p30 | Neg Phadebas | |
| 37QTYF | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | NT | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | NT | |

| Webcode | Fluid ID | | | |
|---------|---------------------------|--|--|-------|
| | Blood | Semen | Saliva | Other |
| 38EJR8 | | | | |
| Item 3 | Pos KM | Neg AP, Micro | Neg Phadebas | |
| Item 4 | Pos KM | Pos AP, Micro | Neg Phadebas | |
| 3APG8A | | | | |
| Item 3 | Pos O-tol | Neg AP | NT | |
| Item 4 | Pos O-tol | Pos AP | NT | |
| 3B6D2U | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, Micro | | |
| 3E8ARP | | | | |
| Item 3 | Pos KM, O-tol, RSID-Blood | Neg *AP (INC), Sperm (-) CT Microscopic, Abacard p30 (-) | Neg Phadebas | |
| Item 4 | Pos KM, O-tol, HemaTrace | Pos AP, Sperm SH Microscopic, ABAcad p30 | Neg Phadebas | |
| 3H39X8 | | | | |
| Item 3 | Pos O-tol | Neg AP | NT | |
| Item 4 | Pos O-tol | Pos AP, Micro, PSA | NT | |
| 3MCLGR | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | NT | |
| Item 4 | Pos KM, HemaTrace | Pos AP, Micro | NT | |
| 3N84G8 | | | | |
| Item 3 | Pos KM | Neg Micro, PSA, ALS | NT | |
| Item 4 | Pos KM | Pos Micro, ALS | NT | |
| 3UTYHB | | | | |
| Item 3 | Pos KM, Hexagon OBTI | Neg AP | NT | |
| Item 4 | Pos KM, Hexagon OBTI | Pos AP, RSID-Semen, PSA | NT | |
| 3W34VZ | | | | |
| Item 3 | Pos KM | Neg AP, Micro for Sperm | Neg Amylase gel, Micro for e. cells | |
| Item 4 | Pos KM | Pos AP, Micro for Sperm | Neg Amylase gel, Micro for e. cells | |
| 3XWREV | | | | |
| Item 3 | Pos KM, HemaTrace | Neg ALS, AP, PSA, Micro | NT | |
| Item 4 | Pos KM, HemaTrace | Pos ALS, AP, PSA, Micro | NT | |

| Webcode | Fluid ID | | | | Other |
|---------|-----------------------------------|--------------------------|--------------|--|------------------|
| | Blood | Semen | Saliva | | |
| 42UQA7 | | | | | |
| Item 3 | Pos KM | NT | NT | | |
| Item 4 | Pos KM | NT | NT | | |
| 436HBA | | | | | |
| Item 3 | Pos KM | Neg ALS, AP | NT | | |
| Item 4 | Pos KM | Pos ALS, AP, Micro, PSA | | | |
| 49EKRW | | | | | |
| Item 3 | Pos Hemastix, hemochromogen | Neg AP | NT | | hair, Neg Visual |
| Item 4 | Pos hemochromogen | Pos AP, Micro | NT | | hair, Neg visual |
| 4AQJJK | | | | | |
| Item 3 | Pos KM | Neg AP | NT | | |
| Item 4 | Pos KM | Pos AP, Micro | NT | | |
| 4EKGCV | | | | | |
| Item 3 | Pos KM, ABACard | Neg AP | Neg Phadebas | | |
| Item 4 | Pos KM, ABACard | Pos AP, PSA | Neg Phadebas | | |
| 4JX44G | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, Micro, PSA | NT | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, Micro, PSA | NT | | |
| 4LXAK8 | | | | | |
| Item 3 | Pos Phenolphthalein, HemaTrace | Neg BCIP | Neg Phadebas | | |
| Item 4 | Pos Phenolphthalein, HemaTrace | Pos BCIP, Micro, p30 | Neg Phadebas | | |
| 4NKXW8 | | | | | |
| Item 3 | Pos O-tol | Neg AP | NT | | |
| Item 4 | Pos O-tol | Pos AP | NT | | |
| 4QDW2X | | | | | |
| Item 3 | Pos KM | Neg ALS, FBB, PSA | NT | | |
| Item 4 | Pos KM | Pos ALS, FBB, PSA, Micro | NT | | |
| 4ZLC6K | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | NT | | |
| Item 4 | Pos KM | Pos AP, Micro | Neg RSID | | |

| | | Fluid ID | | | |
|---------|--------------------------------------|--------------------------------------|---------------------|--|--|
| Webcode | Blood | Semen | Saliva | Other | |
| 64EX6M | | | | | |
| Item 3 | Pos KM, RSID-Blood, HemaTrace | Neg p30 | Neg Amylase | Urine & Feces, RSID urine (urine) & Neg Urobilinogen (feces) | |
| Item 4 | Pos KM, RSID-Blood, HemaTrace | Pos Micro Sperm by light, p30 | Neg Amylase | | |
| 64FJW9 | | | | | |
| Item 3 | Pos Hstix | Neg AP | NT | Epithelial Cells, Pos | |
| Item 4 | Pos Hstix | Pos AP | NT | | |
| 6649YZ | | | | | |
| Item 3 | Pos KM, Hexagon OBTI | Neg AP | NT | | |
| Item 4 | Pos KM, Hexagon OBTI | Pos AP, RSID-Semen, PSA | NT | | |
| 68WVZ4 | | | | | |
| Item 3 | Pos KM | NT | NT | | |
| Item 4 | Pos KM | NT | NT | | |
| 6ALGED | | | | | |
| Item 3 | Pos LMG | Neg AP | NT | | |
| Item 4 | Pos LMG | Pos AP, Micro | NT | | |
| 6JL2M8 | | | | | |
| Item 3 | Pos O-tol | Neg AP | NT | | |
| Item 4 | Pos O-tol | Pos AP, PSA, Micro | NT | | |
| 6LBCH7 | | | | | |
| Item 3 | Pos HEMA-TRACE | Neg p30, Micro, ALS | | | |
| Item 4 | Pos HEMA-TRACE | Pos p30, Micro, ALS | | | |
| 6LWUPL | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, PSA, Micro | NT | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | NT | | |
| 6N2H8X | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | Neg Phadebas | Human Origin, Quantifiler Human Pos | |
| Item 4 | Pos KM, HemaTrace | Pos AP, Micro, ABACard-p30 | Neg Phadebas | Human Origin, Quantifiler Human Pos | |
| 6NF3LZ | | | | | |
| Item 3 | Pos KM | Neg AP, p30 | NT | | |
| Item 4 | Pos KM | Pos AP, p30, Micro | NT | | |

| | | Fluid ID | | | |
|---------|---------------------------|---------------------------------|--------------------|--------------------------------|--|
| Webcode | Blood | Semen | Saliva | Other | |
| 6NNQHM | | | | | |
| Item 3 | Pos LMG | Neg ALS, AP | | | |
| Item 4 | Pos LMG | Pos ALS, AP, Micro | | | |
| 6NZLPL | | | | | |
| Item 3 | Pos KM | Neg AP, Micro, PSA | Neg Phadebas Press | | |
| Item 4 | Pos KM | Pos AP, Micro, PSA | Neg Phadebas Press | | |
| 6QPXG6 | | | | | |
| Item 3 | Pos KM | Neg ALS, AP, Micro | Neg Amylase | Human DNA, Pos Quantifiler Duo | |
| Item 4 | Pos KM | Pos ALS, AP, Micro | Neg Amylase | Human DNA, Pos Quantifiler Duo | |
| 6QQNRU | | | | | |
| Item 3 | Pos KM, ABACard HemaTrace | Neg AP | Neg Phadebas Press | | |
| Item 4 | Pos KM, ABACard HemaTrace | Pos AP, PSA | Neg Phadebas Press | | |
| 6RKJ8B | | | | | |
| Item 3 | Pos Hemident, HemaTrace | Neg Abacard p30, Sperm Hy-Liter | NT | | |
| Item 4 | Pos Hemident, HemaTrace | Pos Abacard p30, Sperm Hy-Liter | NT | | |
| 6TYV3A | | | | | |
| Item 3 | Pos PTMB | Neg AP | NT | Human Origin, QF Pos | |
| Item 4 | Pos PTMB | Pos AP, Micro | NT | Human Origin, QF Pos | |
| 769YTP | | | | | |
| Item 3 | Pos KM | Neg ALS, AP | Neg RSID | | |
| Item 4 | Pos KM | Pos ALS, AP, Micro | Neg RSID | | |
| 7AEQQ2 | | | | | |
| Item 3 | Pos KM, HemaTrace | NT | NT | | |
| Item 4 | Pos KM, HemaTrace | NT | NT | | |
| 7C8KKP | | | | | |
| Item 3 | Pos KM | Neg ALS, AP | NT | | |
| Item 4 | Pos KM | Pos ALS, AP, Micro | NT | | |
| 7MP66L | | | | | |
| Item 3 | Pos KM | Neg AP | NT | | |
| Item 4 | Pos KM | Pos AP, Micro | NT | | |

| Webcode | Fluid ID | | | | Other |
|---------|----------------------------------|--------------------------------|--------------------|--|--|
| | Blood | Semen | Saliva | | |
| 7QMQRH | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, PSA | NT | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | NT | | |
| 7TCQC9 | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg ALS, AP, Micro, RSID-Semen | NT | | Human protein, ELISA Speciation Pos |
| Item 4 | Pos KM, HemaTrace | Pos ALS, AP, Micro, RSID-Semen | NT | | Human protein, ELISA Speciation Pos |
| 7TPKGM | | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg AP | NT | | |
| Item 4 | Pos LMG, HemaTrace | Pos AP, Micro, PSA | NT | | |
| 7Y6RF8 | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg ALS, AP, RSID-Semen, Micro | NT | | Human protein, ELISA Speciation Pos |
| Item 4 | Pos KM, HemaTrace | Pos ALS, AP, RSID-Semen, Micro | NT | | Human protein, ELISA Speciation Pos |
| 84PBV3 | | | | | |
| Item 3 | Pos LMG, Ouchterlony (anti-HuHb) | Neg AP, Micro, PSA, ALS | Neg Amylase, Micro | | |
| Item 4 | Pos LMG, Ouchterlony (anti-HuHb) | Pos AP, Micro, PSA, ALS | Neg Amylase, Micro | | |
| 87CVXQ | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | Neg RSID | | Human Origin, Plexor HY Pos |
| Item 4 | Pos KM, Takayama | Pos AP, Micro, p30 | Neg RSID | | Human Origin, Plexor HY Pos |
| 887XA9 | | | | | |
| Item 3 | Pos KM | Neg AP, Micro | Neg Phadebas | | |
| Item 4 | Pos KM | Pos AP, Micro | Neg Phadebas | | |
| 8B7VAZ | | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg AP | NT | | |
| Item 4 | Pos LMG, HemaTrace | Pos AP, p30, Micro | NT | | |
| 8F4EAD | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, PSA, Micro | Neg Phadebas | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | Neg Phadebas | | |
| 8HAY2K | | | | | |
| Item 3 | Pos KM | Neg AP | NT | | |
| Item 4 | Pos KM | Pos AP, Micro | NT | | |

| Webcode | Fluid ID | | | |
|---------|--------------------|---------------------|------------------------------|-------|
| | Blood | Semen | Saliva | Other |
| 8HP839 | | | | |
| Item 3 | Pos PTMB | Neg AP | NT | |
| Item 4 | Pos PTMB | Pos AP, Micro | NT | |
| 8MGMEI | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | NT | |
| Item 4 | Pos KM, HemaTrace | Pos Micro, PSA, AP | NT | |
| 8NA8FZ | | | | |
| Item 3 | Pos KM | Neg AP | NT | |
| Item 4 | Pos KM | Pos AP, Micro | NT | |
| 8RRKZM | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | NT | |
| Item 4 | Pos KM, HemaTrace | Pos AP, Micro | NT | |
| 8TJNM3 | | | | |
| Item 3 | Pos KM, HemaTrace | NT | NT | |
| Item 4 | Pos KM, HemaTrace | NT | NT | |
| 8W4FUJ | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg PSA, Micro | NT | |
| Item 4 | Pos LMG, HemaTrace | Pos PSA, Micro | NT | |
| 8W6GQH | | | | |
| Item 3 | Pos KM | Neg AP | NT | |
| Item 4 | Pos KM | Pos AP, Micro | NT | |
| 8XM6DJ | | | | |
| Item 3 | Pos KM | Neg PSA, ALS | NT | |
| Item 4 | Pos KM | Pos PSA, ALS, Micro | NT | |
| 8YR8Q2 | | | | |
| Item 3 | Pos KM | Neg AP & Micro | Neg Amylase Radial Diffusion | |
| Item 4 | Pos KM | Pos AP & Micro | Neg Amylase Radial Diffusion | |
| 973PHZ | | | | |
| Item 3 | Pos KM, HemaTrace | NT | NT | |
| Item 4 | Pos KM, HemaTrace | NT | NT | |

| | | Fluid ID | | | |
|---------|----------------------------------|---------------------------------|-----------------|-------|--|
| Webcode | Blood | Semen | Saliva | Other | |
| 98679J | | | | | |
| Item 3 | Pos KM | Neg AP | NT | | |
| Item 4 | Pos KM | Pos AP, Micro | NT | | |
| 9AUFFZ | | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg ALS | NT | | |
| Item 4 | Pos LMG, HemaTrace | Pos ALS, AP, p30 | NT | | |
| 9B6ECU | | | | | |
| Item 3 | Pos HemDirect | Neg AP, RSID, PSA, Micro | Neg RSID | | |
| Item 4 | Pos HemDirect | Pos AP, RSID, PSA, Micro | Neg RSID | | |
| 9C2QEN | | | | | |
| Item 3 | Pos KM | Neg ALS, AP | NT | | |
| Item 4 | Pos KM | Pos ALS, AP, Micro | NT | | |
| 9CZZ4Z | | | | | |
| Item 3 | Pos LMG, HemaTrace | NT | NT | | |
| Item 4 | Pos LMG, HemaTrace | Pos AP, Abacus p30, KPIC, Micro | NT | | |
| 9F2YKK | | | | | |
| Item 3 | Pos KM | Neg ALS, AP | NT | | |
| Item 4 | Pos KM | Pos ALS, AP, Micro | NT | | |
| 9G8HCZ | | | | | |
| Item 3 | Pos KM, HemaTrace | NT | NT | | |
| Item 4 | Pos KM, HemaTrace | NT | NT | | |
| 9JV6VF | | | | | |
| Item 3 | Pos O-tol, PPTH, red brown color | Neg AP, Micro | NT | | |
| Item 4 | Pos O-tol, PPTH, red brown color | Pos AP, Micro | NT | | |
| 9L8V76 | | | | | |
| Item 3 | Pos TMB | Neg AP | NT | | |
| Item 4 | Pos TMB | Pos AP, Microscopy | | | |
| 9QVGTX | | | | | |
| Item 3 | Pos HemaTrace | Neg p30/PSA | Neg RSID-Saliva | | |
| Item 4 | Pos HemaTrace | Pos p30/PSA, Micro | Neg RSID-Saliva | | |

| Webcode | Fluid ID | | | |
|---------|---------------------------------|--|---------------------------|-------|
| | Blood | Semen | Saliva | Other |
| 9TH76X | | | | |
| Item 3 | Pos KM | Neg AP, Micro | NT | |
| Item 4 | Pos KM | Pos AP, Micro | NT | |
| 9UVQYT | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | NT | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | NT | |
| A8ZDMG | | | | |
| Item 3 | Pos RSID-Blood*, HemaTrace*, KM | Neg Micro (CT stain)*, p30* | Neg Amylase*, (Phadebas)* | |
| Item 4 | Pos RSID-Blood*, HemaTrace*, KM | Pos AP*, Micro(CT stain Sperm high lighter stain)*, p30* | Neg Amylase* (Phadebas)* | |
| AAKCTY | | | | |
| Item 3 | Pos KM, HemaTrace | NT | NT | |
| Item 4 | Pos KM, HemaTrace | NT | NT | |
| AAPPFV | | | | |
| Item 3 | Pos KM, Hexagon OBTI | Neg AP | NT | |
| Item 4 | Pos KM, Hexagon OBTI | Pos AP, RSID-Semen, PSA | NT | |
| AGRH2C | | | | |
| Item 3 | Pos O-tol | Neg AP, Micro | Neg RSID-Saliva | |
| Item 4 | Pos O-tol | Pos AP, Micro | Neg RSID-Saliva | |
| AHFAJ8 | | | | |
| Item 3 | Pos LMG | Neg AP | Neg RSID-Saliva | |
| Item 4 | Pos LMG | Pos AP, PSA | Neg RSID-Saliva | |
| AKP8YB | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, PSA, Micro | Neg Phadebas | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | Neg Phadebas | |
| ALH2YZ | | | | |
| Item 3 | Pos ALS, TMB, HemaTrace | Neg ALS, AP | NT | |
| Item 4 | Pos ALS, TMB, HemaTrace | Pos ALS, AP, Micro, PSA | NT | |
| AR7JGH | | | | |
| Item 3 | Pos KM | Neg AP, p30 | NT | |
| Item 4 | Pos KM | Pos AP, p30, Micro | NT | |

| Webcode | Fluid ID | | | | Other |
|---------|-------------------------|-------------------------|-----------------|---------------------------|-------|
| | Blood | Semen | Saliva | | |
| ATZ8XR | | | | | |
| Item 3 | Pos KM | Neg AP | NT | | |
| Item 4 | Pos KM | Pos AP, PSA, Micro | NT | | |
| AZEFW9 | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | NT | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, Micro | NT | | |
| B2HLKT | | | | | |
| Item 3 | Pos KM | Neg AP | NT | | |
| Item 4 | Pos KM | Pos AP, Micro | NT | | |
| B8GMFH | | | | | |
| Item 3 | Pos KM | Neg AP | NT | | |
| Item 4 | Pos KM | Pos AP, Micro | NT | | |
| B8UE4T | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg BCIP | NT | | |
| Item 4 | Pos KM, HemaTrace | Pos BCIP, PSA, Micro | NT | | |
| BAKKM4 | | | | | |
| Item 3 | Pos Hemident, HemaTrace | Neg ABACard p30, Micro | NT | | |
| Item 4 | Pos Hemident, HemaTrace | Pos ABACard p30, Micro | NT | | |
| BDZ3Q8 | | | | | |
| Item 3 | Pos LMG | Neg AP, Micro | NT | | |
| Item 4 | Pos LMG | Pos AP, Micro | NT | | |
| BEUKZV | | | | | |
| Item 3 | Pos KM, Hexagon OBTI | Neg AP | NT | | |
| Item 4 | Pos KM, Hexagon OBTI | Pos AP, RSID-Semen, PSA | NT | | |
| BJLU42 | | | | | |
| Item 3 | Pos HemaTrace, KM | Neg Micro, PSA | Neg RSID-Saliva | Male DNA, Neg Y-screening | |
| Item 4 | Pos HemaTrace, KM | Pos Micro, PSA | Neg RSID-Saliva | Male DNA, Pos Y-screening | |
| BN2DDV | | | | | |
| Item 3 | Pos Hemastix, HemaTrace | Neg AP | NT | | |
| Item 4 | Pos Hemastix, HemaTrace | Pos AP | NT | | |
| BQN2PW | | | | | |
| Item 3 | Pos KM, Hexagon OBTI | Neg AP | NT | | |
| Item 4 | Pos KM, Hexagon OBTI | Pos AP, RSID-Semen, PSA | NT | | |

| Webcode | Fluid ID | | | |
|---------------|---------------------|-----------------------|--------|---|
| | Blood | Semen | Saliva | Other |
| BTYPG9 | | | | |
| Item 3 | Pos KM | Neg AP | Neg | Amylase Radial Diffusion |
| Item 4 | Pos KM | Pos AP, Micro | Neg | Amylase Radial Diffusion |
| C3ECCT | | | | |
| Item 3 | Pos KM | Neg AP, Micro | NT | |
| Item 4 | Pos KM | Pos AP, Micro | NT | |
| C8CPHR | | | | |
| Item 3 | Pos KM | Neg BCIP | Neg | Phadebas |
| Item 4 | Pos KM | Pos BCIP, p30, Micro | Neg | Phadebas |
| CDTC3V | | | | |
| Item 3 | Pos KM | Neg AP, P-30 | NT | |
| Item 4 | Pos KM | Pos AP, P-30, Micro | NT | |
| CE9GWM | | | | |
| Item 3 | Pos KM | Neg AP | NT | |
| Item 4 | Pos KM | Pos AP, PSA | NT | |
| CHQQUQ | | | | |
| Item 3 | Pos KM | Neg AP, Micro (Sperm) | Neg | Amylase Radial Diffusion, Micro (e cells) |
| Item 4 | Pos KM | Pos AP, Micro (Sperm) | Neg | Amylase Radial Diffusion, Micro (e cells) |
| CHTCRR | | | | |
| Item 3 | Pos Phenolphthalein | Neg BCIP | NT | |
| Item 4 | Pos Phenolphthalein | Pos BCIP, p30, Micro | Neg | Phadebas |
| CL94FZ | | | | |
| Item 3 | Pos KM, HemaTrace | Neg BCIP | Neg | Phadebas |
| Item 4 | Pos KM, HemaTrace | Pos BCIP, p30, Micro | Neg | Phadebus |
| CRF9TT | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg ALS, AP, PSA | NT | |
| Item 4 | Pos LMG, HemaTrace | Pos ALS, AP, PSA | NT | |
| D3DT9Q | | | | |
| Item 3 | Pos KM | Neg BCIP | NT | |
| Item 4 | Pos KM | Pos BCIP, p30, Micro | NT | |

| | | Fluid ID | | | |
|---------------|-----------------------------|--------------------------------|------------------------------|------------------------------|--|
| Webcode | Blood | Semen | Saliva | Other | |
| D9ZF6G | | | | | |
| Item 3 | Pos KM, HemDirect | Neg ALS, AP, Micro | Neg RSID-Saliva | | |
| Item 4 | Pos KM, HemDirect | Pos ALS, AP, Micro | Neg RSID-Saliva | | |
| DCE82C | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, Micro | NT | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, Micro | NT | | |
| DCWD8T | | | | | |
| Item 3 | Pos KM | Neg AP | NT | | |
| Item 4 | Pos KM | Pos AP, Micro | NT | | |
| DDCDQH | | | | | |
| Item 3 | Pos KM, HT | Neg AP, PSA | NT | | |
| Item 4 | Pos KM, HT | Pos AP, PSA, Micro | NT | | |
| DNTD37 | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, Micro, PSA | Neg Phadebas | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, Micro, PSA | Neg Phadebas | | |
| DQZLEC | | | | | |
| Item 3 | Pos O-tol | Neg ALS, AP | NT | Human Blood, RSID Pos | |
| Item 4 | Pos O-tol | Pos ALS, AP, PSA, Micro | Inc Amylase | Human Blood, RSID Pos | |
| DUYVHY | | | | | |
| Item 3 | Pos O-tol, HemaTrace | Neg AP | NT | | |
| Item 4 | Pos O-tol, HemaTrace | Pos AP, PSA | NT | | |
| DW2XYM | | | | | |
| Item 3 | Pos O-tol | Neg AP | NT | | |
| Item 4 | Pos O-tol | Pos AP, Micro, PSA | Neg Amylase Diffusion | | |
| DXJTWG | | | | | |
| Item 3 | Pos KM, HemDirect | Neg ALS, AP, Micro, PSA | Neg RSID-Saliva | | |
| Item 4 | Pos KM, HemDirect | Pos ALS, AP, Micro, PSA | Neg RSID-Saliva | | |
| EBQW2B | | | | | |
| Item 3 | Pos KM | Neg AP | NT | | |
| Item 4 | Pos KM | Pos AP, Micro | NT | | |

| | | Fluid ID | | | |
|----------------|--------------------------------|--|---|--------------|--|
| Webcode | Blood | Semen | Saliva | Other | |
| EC9CVB | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg ALS, AP, Micro | | | |
| Item 4 | Pos KM, HemaTrace | Pos ALS, AP, Micro | | | |
| EE3V7P | | | | | |
| Item 3 | Pos Hemastix, HemaTrace | Neg AP | | NT | |
| Item 4 | Pos Hemastix, HemaTrace | Pos AP, PSA/p30, Micro | | NT | |
| EH3CCR | | | | | |
| Item 3 | Pos KM | Neg AP, p30 | | NT | |
| Item 4 | Pos KM | Pos AP, p30, Micro | | NT | |
| EP326C | | | | | |
| Item 3 | Pos THB[sic], OBTI | Neg Micro | | NT | |
| Item 4 | Pos TMB,OBTI | Pos Micro | | NT | |
| EU3LCM | | | | | |
| Item 3 | Pos KM, HemDirect | Neg ALS, AP, PSA, Micro | | NT | |
| Item 4 | Pos KM, HemDirect | Pos ALS, AP, PSA, Micro | | NT | |
| EUYDVM | | | | | |
| Item 3 | Pos KM | Neg AP, Micro (no sperm observed) | Neg Amylase, Micro (no epithelial cells) | | |
| Item 4 | Pos KM | Pos AP, Micro (sperm observed) | Neg Amylase, Micro (no epithelial cells) | | |
| EW2B7F | | | | | |
| Item 3 | Pos KM | Neg AP | | NT | |
| Item 4 | Pos KM | Pos AP, Micro | | NT | |
| EXFL9E | | | | | |
| Item 3 | Pos KM | Neg ALS, AP | | NT | |
| Item 4 | Pos KM | Pos ALS, AP, Micro | | NT | |
| EZ34FE | | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg AP | | NT | |
| Item 4 | Pos LMG, HemaTrace | Pos AP, Micro, PSA | | NT | |
| F7NF48 | | | | | |
| Item 3 | Pos KM | Neg AP | | NT | |
| Item 4 | Pos KM | Pos AP, Micro | | NT | |

| | | Fluid ID | | | |
|----------------|---|-----------------------------------|---------------------------|--|--|
| Webcode | Blood | Semen | Saliva | Other | |
| FGJRZT | | | | | |
| Item 3 | Pos LMG, Ouchterlony (anti-HuHb) | Neg AP, PSA, Micro | Neg Amylase | | |
| Item 4 | Pos LMG, Ouchterlony (anti-HuHb) | Pos AP, PSA, Micro | Neg Amylase | | |
| FHHXCL | | | | | |
| Item 3 | Pos KM | Neg AP Overlay | NT | | |
| Item 4 | Pos KM | Pos AP Overlay, Micro | NT | | |
| G3NNB2 | | | | | |
| Item 3 | Pos LMG | Neg AP | NT | | |
| Item 4 | Pos LMG | Pos AP, Micro | NT | | |
| G4DVTC | | | | | |
| Item 3 | Pos KM, HemDirect | Neg AP, PSA, Micro, ALS | NT | | |
| Item 4 | Pos KM, HemDirect | Pos AP, PSA, Micro, ALS | NT | | |
| G6L7CA | | | | | |
| Item 3 | Pos KM, ABACard | Neg AP | Neg Phadebas Press | | |
| Item 4 | Pos KM, ABACard | Pos AP, PSA | Neg Phadebas Press | | |
| GR3MQK | | | | | |
| Item 3 | Pos KM, ABACard- HemaTrace | Neg AP | Neg Phadebas | Human Origin, Quantifiler Human Pos | |
| Item 4 | Pos KM, ABACard-HemaTrace | Pos AP, ABACard-p30, Micro | Neg Phadebas | Human Origin, Quantifiler Human Pos | |
| GTU7Q | | | | | |
| Item 3 | Pos KM | Neg AP | NT | | |
| Item 4 | Pos KM | Pos AP, Micro | NT | | |
| H4RQP4 | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, Micro, PSA | Neg Phadebas | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, Micro, PSA | Neg Phadebas | | |
| HAWPZU | | | | | |
| Item 3 | Pos KM | Neg ALS, AP, Micro | Neg ALS, Phadebas | Human DNA, Pos Quantifiler Duo | |
| Item 4 | Pos KM | Pos ALS, AP, Micro | Neg ALS, Phadebas | Human DNA, Pos Quantifiler Duo | |
| HAXDLE | | | | | |
| Item 3 | Pos KM | Neg ALS, AP | NT | | |
| Item 4 | Pos KM | Pos ALS, AP, Micro | NT | | |

| | | Fluid ID | | | |
|----------------|--------------------------------------|--------------------------------|---------------------------|------------------------------|--|
| Webcode | Blood | Semen | Saliva | Other | |
| HAXFBH | | | | | |
| Item 3 | Pos KM, ABACard HemaTrace | Neg AP | Neg Phadebas | Human Blood | |
| Item 4 | Pos KM, ABACard HemaTrace | Pos AP, PSA | Neg Phadebas | Human Blood | |
| HFNUVJ | | | | | |
| Item 3 | Pos KM | Neg AP, Micro | NT | | |
| Item 4 | Pos KM | Pos AP, Micro, p30 | NT | | |
| HKEDQM | | | | | |
| Item 3 | Pos KM, Bluestar Hexagon OBTI | Neg AP | NT | | |
| Item 4 | Pos KM, Bluestar Hexagon OBTI | Pos AP, RSID-Semen, PSA | NT | | |
| HMLFTK | | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg ALS, AP, PSA | NT | | |
| Item 4 | Pos LMG, HemaTrace | Pos ALS, AP, PSA | NT | | |
| HPTW33 | | | | | |
| Item 3 | Pos O-tol | Neg AP, Micro | Neg RSID-Saliva | | |
| Item 4 | Pos O-tol | Pos AP, Micro | Neg RSID-Saliva | | |
| HU8JTZ | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, PSA, Micro | NT | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | NT | | |
| HVGKX8 | | | | | |
| Item 3 | Pos O-tol | Neg AP, ALS | NT | Human Blood, RSID Pos | |
| Item 4 | Pos O-tol | Pos ALS, AP, PSA, Micro | Neg Amylase | Human Blood, RSID Pos | |
| HVUALR | | | | | |
| Item 3 | Pos LMG | Neg AP, PSA, Micro | Neg Amylase, Micro | | |
| Item 4 | Pos LMG | Pos AP, PSA, Micro | Neg Amylase, Micro | | |
| HXX3JW | | | | | |
| Item 3 | Pos KM | Neg AP | NT | | |
| Item 4 | Pos KM | Pos AP, Micro | NT | | |

| | | Fluid ID | | | |
|---------|--------------------|---|--|-------|--|
| Webcode | Blood | Semen | Saliva | Other | |
| HYHHFM | | | | | |
| Item 3 | Pos KM | Neg AP, Micro for Sperm | Neg Amylase Radial Diffusion, Micro for nucleated epithelial cells | | |
| Item 4 | Pos KM | Pos AP, Micro for Sperm | Neg Amylase Radial Diffusion, Micro for nucleated epithelial cells | | |
| J2C3CH | | | | | |
| Item 3 | Pos O-tol | Neg AP | Neg Radial Diffusion | | |
| Item 4 | Pos O-tol | Pos AP, PSA, Micro | Neg Radial Diffusion | | |
| J2Z4H9 | | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg AP | NT | | |
| Item 4 | Pos LMG, HemaTrace | Pos AP, Micro, PSA | NT | | |
| J628AV | | | | | |
| Item 3 | Pos KM | Neg AP | | | |
| Item 4 | Pos KM | Pos AP, Micro | | | |
| JFECFR | | | | | |
| Item 3 | Pos ALS, HemaTrace | NT | NT | | |
| Item 4 | Pos HemaTrace | Pos HemaTrace, ALS, AP, p30, Micro-X-mas Tree Stain | NT | | |
| JJWWG9 | | | | | |
| Item 3 | Pos KM | Neg AP | NT | | |
| Item 4 | Pos KM | Pos AP, PSA, Micro | NT | | |
| JPR8RD | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | NT | | |
| Item 4 | Pos KM | Pos AP, Micro | NT | | |
| JRAHCB | | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg AP | NT | | |
| Item 4 | Pos LMG, HemaTrace | Pos AP, Micro, PSA | NT | | |
| JT62FX | | | | | |
| Item 3 | Pos KM | Neg AP | | | |
| Item 4 | Pos KM | Pos AP, Micro | | | |
| JW3JFB | | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg AP | NT | | |
| Item 4 | Pos LMG, HemaTrace | Pos AP, Micro, PSA | NT | | |

| | | Fluid ID | | | |
|---------|-----------------------------|-------------------------|-----------------|---------------------------------------|--|
| Webcode | Blood | Semen | Saliva | Other | |
| JXF9JM | | | | | |
| Item 3 | Pos KM, HemaTrace | NT | NT | | |
| Item 4 | Pos KM, HemaTrace | NT | NT | | |
| JZLUDE | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg ALS, AP, PSA, Micro | NT | | |
| Item 4 | Pos KM, HemaTrace | Pos ALS, AP, PSA, Micro | NT | | |
| K42NKY | | | | | |
| Item 3 | Pos HemaTrace | Neg p30, Micro | NT | | |
| Item 4 | Pos HemaTrace | Pos p30, Micro | NT | | |
| K8XC4R | | | | | |
| Item 3 | Pos Hemastix | Neg Brentamine | NT | | |
| Item 4 | Pos Hemastix | Pos Brentamine | NT | | |
| K9CPWV | | | | | |
| Item 3 | Pos Hemident, HemaTrace | Neg ABACard p30, Micro | NT | | |
| Item 4 | Pos Hemident, HemaTrace | Pos ABACard p30, Micro | NT | | |
| K9RXUX | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, PSA | NT | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | NT | | |
| K9YTTC | | | | | |
| Item 3 | Pos KM, Takayama, HemaTrace | Neg AP | NT | Human Origin, HemaTrace, Pos PlexorHY | |
| Item 4 | Pos KM, Takayama | Pos AP, Micro, PSA | Neg RSID-Saliva | Human Origin, PlexorHY Pos | |
| KA4TGP | | | | | |
| Item 3 | Pos O-tol, HT | Neg AP, p30 | NT | | |
| Item 4 | Pos O-tol, HT | Pos AP, Micro, p30 | NT | | |
| KALNZC | | | | | |
| Item 3 | Pos KM | Neg AP | NT | | |
| Item 4 | Pos KM | Pos AP, Micro | NT | | |
| KAMLB8 | | | | | |
| Item 3 | Pos Hem-check, Instalert | Neg Phosphatesmo, PSA | NT | | |
| Item 4 | Pos Hem-check, Instalert | Pos Phosphatesmo, PSA | NT | | |

| | | Fluid ID | | | |
|---------|---------------------------|--|------------------------------|-------|--|
| Webcode | Blood | Semen | Saliva | Other | |
| KBH2M6 | | | | | |
| Item 3 | Pos KM; HemaTrace | Neg ALS; AP; Micro | NT | | |
| Item 4 | Pos KM; HemaTrace | Pos ALS; AP; Micro | NT | | |
| KBH6D9 | | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg AP | NT | | |
| Item 4 | Pos LMG, HemaTrace | Pos AP, Micro, PSA | NT | | |
| KDB2UF | | | | | |
| Item 3 | Pos HemDirect | Neg AP, ALS, RSID-Semen, Micro, p30 | Neg ALS, RSID-Saliva | | |
| Item 4 | Pos HemDirect | Pos AP, ALS, RSID-Semen, Micro, p30 | Neg ALS, RSID-Saliva | | |
| KE7FKE | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | Neg Phadebas | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA | Neg Phadebas | | |
| KJYNPL | | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg AP | NT | | |
| Item 4 | Pos LMG, HemaTrace | Pos AP, PSA, Micro | NT | | |
| KKLEHD | | | | | |
| Item 3 | Pos KM test | Neg AP test | NT | | |
| Item 4 | Pos KM test | Pos AP test, PSA | NT | | |
| KPDZLZ | | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg AP, Micro, PSA | NT | | |
| Item 4 | Pos LMG, HemaTrace | Pos AP, Micro, PSA | NT | | |
| KU3WCY | | | | | |
| Item 3 | Pos KM | Neg AP, Micro | Neg Amylase Radial Diffusion | | |
| Item 4 | Pos KM | Pos AP, Micro | Neg Amylase Radial Diffusion | | |
| KXH8NG | | | | | |
| Item 3 | Pos KM | Neg ALS, FBB, PSA | NT | | |
| Item 4 | Pos KM | Pos ALS, FBB, PSA | NT | | |
| L2TLM8 | | | | | |
| Item 3 | Pos KM, O-tol, RSID-Blood | Neg AP*, Micro (Christmas tree), p30 (PSA) | Neg Phadebas | | |
| Item 4 | Pos KM, O-tol, HemaTrace | Pos AP, Micro (Sperm Hyliter), p30 (PSA) | Neg Phadebas | | |

| Fluid ID | | | | | |
|----------|-----------------------------|--------------------------|------------------------------------|--|--|
| Webcode | Blood | Semen | Saliva | Other | |
| L4VTEY | | | | | |
| Item 3 | Pos ABACard HemaTrace | Neg AbaCard p30, Micro | NT | | |
| Item 4 | Pos ABACard HemaTrace | Pos AbaCard p30, Micro | NT | | |
| L6WDV8 | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | NT | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | NT | | |
| L9PLTM | | | | | |
| Item 3 | Pos KM | Neg AP, Micro | NT | | |
| Item 4 | Pos KM | Pos AP, Micro | NT | | |
| L9U6HB | | | | | |
| Item 3 | Pos LMG | Neg AP | NT | HemaTrace, Pos | |
| Item 4 | Pos LMG | Pos AP, p30, Microscopic | NT | HemaTrace, Pos | |
| LA7T3B | | | | | |
| Item 3 | Pos KM, Takayama, HemaTrace | Neg AP | NT | Human Origin, HemaTrace, Plexor Pos HY | |
| Item 4 | Pos KM, Takayama | Pos AP, Micro, p30 | Neg RSID-Saliva | Human Origin, Plexor HY Pos | |
| LAR3H8 | | | | | |
| Item 3 | Pos LMG | Neg AP | NT | | |
| Item 4 | Pos LMG | Pos AP, Micro | NT | | |
| LEHMWM | | | | | |
| Item 3 | Pos KM | Neg AP, Micro | NT | | |
| Item 4 | Pos KM | Pos AP, Micro | NT | | |
| LLY7AU | | | | | |
| Item 3 | Pos O-tol, HemDirect | Neg AP, PSA, Micro | Neg Amylase Diffusion, Amylase 1/2 | | |
| Item 4 | Pos O-tol, HemDirect | Pos AP, PSA, Micro | Neg Amylase Diffusion, Amylase 1/2 | | |
| LPETQK | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, Micro | NT | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, Micro | NT | | |
| LPYEGP | | | | | |
| Item 3 | Pos HemaTrace | Neg p30; Micro | NT | | |
| Item 4 | Pos HemaTrace | Pos p30; Micro | NT | | |

| | | Fluid ID | | |
|---------|--------------------------|-------------------------|-----------------------|------------------|
| Webcode | Blood | Semen | Saliva | Other |
| LR6XJR | | | | |
| Item 3 | Pos Hemastix | Neg AP | NT | |
| Item 4 | Pos Hemastix | Pos AP | NT | |
| LR6Z9W | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, Micro | Neg Phadebas | |
| Item 4 | Pos KM, HemaTrace | Pos AP, Micro | Neg Phadebas | |
| LTU7NM | | | | |
| Item 3 | Pos KM, HemaTrace | NT | NT | |
| Item 4 | Pos KM, HemaTrace | NT | NT | |
| LTZHAX | | | | |
| Item 3 | Pos Phenolphthalein Test | Neg ALS, Micro, p30 | NT | |
| Item 4 | Pos Phenolphthalein Test | Pos ALS, Micro | NT | |
| LUGJLZ | | | | |
| Item 3 | Pos O-tol | Neg AP perf by [Name] | NT | |
| Item 4 | Pos O-tol | Pos AP perf by [Name] | NT | |
| LWHQKJ | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg ALS, AP | NT | |
| Item 4 | Pos LMG, HemaTrace | Pos ALS, AP, PSA | NT | |
| LXQQWD | | | | |
| Item 3 | Pos KM, HemaTrace | Neg ALS, AP, p30, Micro | NT | |
| Item 4 | Pos KM, HemaTrace | Pos ALS, AP, p30, Micro | NT | |
| M4XRG8 | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, Micro, PSA | Neg phadebus[sic] | |
| Item 4 | Pos KM, HemaTrace | Pos AP, Micro, PSA | Neg phadebus[sic] | |
| M98P9Z | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, PSA, Micro | Neg Phadebas | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | Neg Phadebas | |
| MAKJQL | | | | |
| Item 3 | Pos KM | NT | NT | |
| Item 4 | Pos KM | NT | NT | |
| MD6BZ3 | | | | |
| Item 3 | Pos O-tol | Neg AP, p30 | Neg Amylase Diffusion | |
| Item 4 | Pos O-tol | Pos AP | Neg Amylase Diffusion | Sperm, Pos Micro |

| | | Fluid ID | | | | |
|---------|-----------------------------|--------------------------------|------------------------------------|-------------------|--|--|
| Webcode | Blood | Semen | Saliva | Other | | |
| MDLME2 | | | | | | |
| Item 3 | Pos O-tol | Neg AP, p30, Micro (by [Name]) | NT | | | |
| Item 4 | Pos O-tol | Pos AP, p30, Micro (by [Name]) | NT | | | |
| MN9GZW | | | | | | |
| Item 3 | Pos KM | Neg AP | Neg Amylase Radial Diffusion plate | | | |
| Item 4 | Pos KM | Pos AP, Micro | Neg Amylase Radial Diffusion plate | | | |
| MP33R3 | | | | | | |
| Item 3 | Pos KM | Neg AP | NT | | | |
| Item 4 | Pos KM | Pos AP, Micro | NT | | | |
| MXBWKA | | | | | | |
| Item 3 | Pos KM | Neg ALS, AP | NT | | | |
| Item 4 | Pos KM | Pos ALS, AP, Micro | NT | | | |
| MYKVQC | | | | | | |
| Item 3 | Pos LMG, Hexagon-OBTI | Neg PSA, AP, Micro | NT | | | |
| Item 4 | Pos LMG, Hexagon-OBTI | Pos PSA, AP, Micro | NT | | | |
| MZUYKM | | | | | | |
| Item 3 | Pos KM | NT | NT | | | |
| Item 4 | Pos KM | NT | NT | | | |
| N6Y9ZU | | | | | | |
| Item 3 | Pos KM, TMB | Neg PSA, Micro | NT | | | |
| Item 4 | Pos KM, TMB | Pos PSA, Micro | NT | | | |
| NDW9Q4 | | | | | | |
| Item 3 | Pos KM, O-tol, PTMB | Neg PSA | NT | Sperms, Neg Micro | | |
| Item 4 | Pos KM, ABACard® HemaTrace® | Pos AP, PSA | NT | Sperms, Pos Micro | | |
| NFNXU3 | | | | | | |
| Item 3 | Pos LMG | Neg ALS, AP | NT | | | |
| Item 4 | Pos LMG | Pos ALS, AP, Micro | NT | | | |
| NGGTC6 | | | | | | |
| Item 3 | Pos KM, HemDirect | Neg AP | NT | | | |
| Item 4 | Pos KM, HemDirect | Pos AP, Micro | NT | | | |

| | | Fluid ID | | | |
|---------|------------------------------|-------------------------|--------------------|--------------------------------|--|
| Webcode | Blood | Semen | Saliva | Other | |
| NLPBED | | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg AP | NT | | |
| Item 4 | Pos LMG, HemaTrace | Pos AP, p30 | NT | | |
| NNG3XB | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg ALS, AP, PSA, Micro | NT | | |
| Item 4 | Pos KM, HemaTrace | Pos ALS, AP, PSA, Micro | NT | | |
| NTCU69 | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | NT | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, Micro, PSA | NT | | |
| NTRPF2 | | | | | |
| Item 3 | Pos PTMB | Neg AP, Micro | NT | | |
| Item 4 | Pos PTMB | Pos AP, Micro | NT | | |
| NUNNRZ | | | | | |
| Item 3 | Pos PPTH, O-tol, stain color | Neg AP, Micro | NT | | |
| Item 4 | Pos PPTH, O-tol, stain color | Pos AP, Micro | NT | | |
| NW9MUW | | | | | |
| Item 3 | Pos HemaTrace | Neg p30 / Micro /ALS | NT | | |
| Item 4 | Pos HemaTrace | Pos p30/ Micro /ALS | NT | | |
| P2J4WX | | | | | |
| Item 3 | Pos KM | Neg AP, ALS | NT | Human Origin, Plexor HY Pos | |
| Item 4 | Pos KM | Pos AP, Micro, ALS | NT | Human Origin, Plexor HY Pos | |
| P2KQMK | | | | | |
| Item 3 | Pos KM | Neg AP, Micro | NT | | |
| Item 4 | Pos KM | Pos AP, Micro | NT | | |
| P7QNNC | | | | | |
| Item 3 | Pos O-tol | NT | NT | ALS | |
| Item 4 | Pos O-tol | Pos ALS, AP, Micro | Neg Micro | | |
| PDBNEA | | | | | |
| Item 3 | Pos KM, ABACard HemaTrace | Neg AP | Neg Phadebas Press | | |
| Item 4 | Pos KM, ABACard HemaTrace | Pos AP, PSA | Neg Phadebas Press | | |

| Webcode | Fluid ID | | | |
|---------------|-------------------------------|------------------------------------|---|-------|
| | Blood | Semen | Saliva | Other |
| PHNBBZ | | | | |
| Item 3 | Pos KM | Neg AP | NT | |
| Item 4 | Pos KM | Pos AP, Micro | NT | |
| PJXFL4 | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | NT | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | NT | |
| PJYFKH | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg ALS, AP | NT | |
| Item 4 | Pos LMG, HemaTrace | Pos ALS, AP, p30, KPIC | | |
| PKT2BN | | | | |
| Item 3 | Pos KM, HemaTrace | Neg BCIP | Neg Phadebas | |
| Item 4 | Pos KM, HemaTrace | Pos BCIP, p30, Micro | Neg Phadebas | |
| PPL3FM | | | | |
| Item 3 | Pos KM, HemaTrace | Neg BCIP | Neg Phadebas | |
| Item 4 | Pos KM, HemaTrace | Pos BCIP, PSA, Micro | Neg Phadebas | |
| PTP2QF | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg AP | NT | |
| Item 4 | Pos LMG, HemaTrace | Pos AP, p30 | NT | |
| Q2QU8L | | | | |
| Item 3 | Pos Hemastix | Neg Brentamine | | |
| Item 4 | Pos Hemastix | Pos Brentamine | | |
| QDT7QU | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, PSA, Micro | Neg Phadebas | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | Neg Phadebas | |
| QFDZLA | | | | |
| Item 3 | Pos KM, Human species testing | Neg AP, p30, Micro for Spermatozoa | Neg Amylase, Micro for nucleated epithelial cells | |
| Item 4 | Pos KM, Human species testing | Pos AP, p30, Micro for Spermatozoa | Neg Amylase, Micro for nucleated epithelial cells | |
| QGEGBU | | | | |
| Item 3 | Pos KM | Neg AP | Neg Amylase Radial Diffusion | |
| Item 4 | Pos KM | Pos AP, Micro | Neg Amylase Radial Diffusion | |

| Fluid ID | | | | |
|----------|---------------------------|--------------------------|-------------------------|-------|
| Webcode | Blood | Semen | Saliva | Other |
| QK8ZGW | | | | |
| Item 3 | Pos KM, ABACard HemaTrace | Neg AP | Neg Phadebas Press test | |
| Item 4 | Pos KM, ABACard HemaTrace | Pos AP, PSA, Micro | Neg Phadebas Press test | |
| QKRHYK | | | | |
| Item 3 | Pos LMG | Neg AP | Neg Phadebas Paper | |
| Item 4 | Pos LMG | Pos AP | Neg Phadebas Paper | |
| QP4C74 | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, PSA, Micro | NT | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | NT | |
| QPXDHK | | | | |
| Item 3 | Pos HemaTrace | Neg p30 y Micro | NT | |
| Item 4 | Pos HemaTrace | Pos p30 y Micro | NT | |
| QQYU86 | | | | |
| Item 3 | Pos KM, HemDirect | Neg ALS, AP, Micro, PSA | Neg RSID | |
| Item 4 | Pos KM, HemDirect | Pos ALS, AP, Micro | Neg RSID | |
| QW36RH | | | | |
| Item 3 | Pos KM | Neg AP, Micro | NT | |
| Item 4 | Pos KM | Pos AP, Micro | NT | |
| R3MFQ6 | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, PSA, Micro | Neg RSID | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | Neg RSID | |
| R4URE9 | | | | |
| Item 3 | Pos LMG | Neg AP, PSA | NT | |
| Item 4 | Pos LMG | Pos AP, PSA | NT | |
| RAL689 | | | | |
| Item 3 | Pos HemDirect | Neg AP, Micro, RSID, PSA | Neg RSID | |
| Item 4 | Pos HemDirect | Pos AP, Micro, RSID, PSA | Neg RSID | |
| RBGGA4 | | | | |
| Item 3 | Pos KM | Neg ALS, AP | NT | |
| Item 4 | Pos KM | Pos ALS, AP, Micro | NT | |
| RFRLTQ | | | | |
| Item 3 | Pos LMG | Neg AP | Neg RSID-Saliva | |
| Item 4 | Pos LMG | Pos AP, PSA | Neg RSID-Saliva | |

| | | Fluid ID | | | |
|----------------|---|---|------------------------|---|--|
| Webcode | Blood | Semen | Saliva | Other | |
| RGM98F | | | | | |
| Item 3 | Pos KM, HemaTrace | NT | NT | | |
| Item 4 | Pos KM, HemaTrace | NT | NT | | |
| RH3GJP | | | | | |
| Item 3 | Pos TMB | Neg AP, ALS | NT | | |
| Item 4 | Pos TMB | Pos ALS, AP, PSA, Micro | NT | | |
| RR4X4Z | | | | | |
| Item 3 | Pos KM | Neg AP, Micro, PSA | Neg Phadebas | | |
| Item 4 | Pos KM | Pos AP, Micro, PSA | Neg Phadebas | | |
| RTHBYN | | | | | |
| Item 3 | Pos O-tol | Neg AP | | | |
| Item 4 | Pos O-tol | Pos AP, Micro | | | |
| RVPNKW | | | | | |
| Item 3 | Pos KM | Neg AP | NT | Human, Pos PlexorHY | |
| Item 4 | Pos KM | Pos AP, Micro | NT | Human, Pos PlexorHY | |
| T6EUWU | | | | | |
| Item 3 | Pos KM | Neg AP | NT | | |
| Item 4 | Pos KM | Pos AP, Micro | NT | | |
| TBF6UL | | | | | |
| Item 3 | Pos Visual exam, Benzidine test, Hemoglobin test | Neg AP (Acid Phosphatase) | NT | | |
| Item 4 | Pos visual exam, Benzidine test, Hemoglobin test | Pos AP (Acid Phosphatase), PSA kit, Microscope | NT | | |
| TBF9C4 | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | NT | Human Origin, Pos HemaTrace, Plexor HY | |
| Item 4 | Pos KM, Takayama | Pos AP, Micro, PSA | Neg RSID | Human Origin, Pos Plexor HY | |
| TBYWX6 | | | | | |
| Item 3 | Pos KM, Takayama, HemaTrace | Neg AP | Neg RSID-Saliva | Human Origin, Pos Plexor H/Y Quant | |
| Item 4 | Pos KM, Takayama | Pos AP, PSA, Micro | Neg RSID-Saliva | Human Origin, Pos Plexor H/Y Quant | |
| TG27ZQ | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, PSA, Micro | Neg Phadebas | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | Neg Phadebas | | |

| Fluid ID | | | | |
|----------|----------------------------------|---------------------------------|----------------------|-------|
| Webcode | Blood | Semen | Saliva | Other |
| THDYNE | | | | |
| Item 3 | Pos KM | Neg AP | NT | |
| Item 4 | Pos KM | Pos AP, Micro | | |
| TLH9C3 | | | | |
| Item 3 | Pos KM, HemDirect | Neg ALS, AP | Neg ALS, RSID-Saliva | |
| Item 4 | Pos KM, HemDirect | Pos ALS, AP, Micro | Neg ALS, RSID-Saliva | |
| TM7XDV | | | | |
| Item 3 | Pos KM | Neg ALS, AP | NT | |
| Item 4 | Pos KM | Pos ALS, AP, Micro | NT | |
| TMNVML | | | | |
| Item 3 | Pos Hemident, HemaTrace | Neg ABACard p30, Sperm Hy-Liter | NT | |
| Item 4 | Pos Hemident, HemaTrace | Pos ABACard p30, Sperm Hy-Liter | NT | |
| TPCLFD | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg AP, PSA, Micro | NT | |
| Item 4 | Pos LMG, HemaTrace | Pos AP, PSA, Micro | NT | |
| TTTWLV | | | | |
| Item 3 | Pos PPTH, O-tol, Red-brown color | Neg AP, Micro, ALS | NT | |
| Item 4 | Pos PPTH, O-tol, Red-brown color | Pos AP, Micro, ALS | NT | |
| TVZWZA | | | | |
| Item 3 | Pos KM | Neg AP, Micro | Neg Amylase, Micro | |
| Item 4 | Pos KM | Pos AP, Micro | Neg Amylase, Micro | |
| TZC62E | | | | |
| Item 3 | Pos KM | Neg AP | NT | |
| Item 4 | Pos KM | Pos AP, Micro | NT | |
| U9MJRM | | | | |
| Item 3 | Pos O-tol | Neg AP | Neg Phadebas | |
| Item 4 | Pos O-tol | Pos AP, Micro | Neg Phadebas | |
| UDYJW2 | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg AP | NT | |
| Item 4 | Pos LMG, HemaTrace | Pos AP, Micro, PSA | NT | |

| | | Fluid ID | | | |
|---------|-------------------------|-------------------------|-------------------------|--|--|
| Webcode | Blood | Semen | Saliva | Other | |
| UET3ZN | | | | | |
| Item 3 | Pos TMB, KM | Neg AP, Micro, PSA | Neg RSID | | |
| Item 4 | Pos TMB, KM | Pos AP, Micro, PSA | Neg RSID | | |
| UGKACX | | | | | |
| Item 3 | Pos KM | Neg AP | NT | | |
| Item 4 | Pos KM | Pos AP, Micro | NT | | |
| UJ9LAH | | | | | |
| Item 3 | Pos KM | Neg ALS, AP, Micro | Neg ALS, Phadebas | Human DNA Quantifiler Duo Detected, Pos | |
| Item 4 | Pos KM | Pos ALS, AP, Micro | Neg ALS, Phadebas | Human DNA Quantifiler Duo Detected, Pos | |
| UJKNC9 | | | | | |
| Item 3 | Pos Hemastix, HemaTrace | Neg AP | NT | | |
| Item 4 | Pos Hemastix, HemaTrace | Pos AP, PSA, Micro | NT | | |
| ULVALH | | | | | |
| Item 3 | Pos O-tol | Neg AP | NT | | |
| Item 4 | Pos O-tol | Pos AP | NT | | |
| UM6837 | | | | | |
| Item 3 | Pos KM | Neg ALS, AP | NT | | |
| Item 4 | Pos KM | Pos ALS, AP, PSA, Micro | NT | | |
| UNFHAA | | | | | |
| Item 3 | Pos KM, Hexagon OBTI | Neg AP | NT | | |
| Item 4 | Pos KM, Hexagon OBTI | Pos AP, RSID-Semen, PSA | NT | | |
| UW7BRV | | | | | |
| Item 3 | Pos HemaTrace | Neg Micro | NT | | |
| Item 4 | Pos HemaTrace | Pos Micro | NT | | |
| UXQB9K | | | | | |
| Item 3 | Pos Hemident, HemaTrace | Neg ABACard p30, Micro | NT | | |
| Item 4 | Pos Hemident, HemaTrace | Pos ABACard p30, Micro | NT | | |
| UY2BB7 | | | | | |
| Item 3 | Pos KM, ABACard | Neg AP | Neg Phadebas Press test | | |
| Item 4 | Pos KM, ABACard | Pos AP, PSA | Neg Phadebas Press Test | | |

| | | Fluid ID | | |
|---------|-----------------------------|-------------------------|------------------------------------|-------|
| Webcode | Blood | Semen | Saliva | Other |
| UYE22C | | | | |
| Item 3 | Pos LMG | Neg AP, Micro, PSA | NT | |
| Item 4 | Pos LMG | Pos AP, Micro, PSA | NT | |
| UZRNLN | | | | |
| Item 3 | Pos KM | Neg AP, Micro | NT | |
| Item 4 | Pos KM | Pos AP, Micro | NT | |
| V47HYN | | | | |
| Item 3 | Pos KM | Neg ALS, Micro, p30 | NT | |
| Item 4 | Pos KM | Pos ALS, Micro | NT | |
| V9ZLV2 | | | | |
| Item 3 | Pos KM | Neg ALS, AP | NT | |
| Item 4 | Pos KM | Pos ALS, AP, Micro | NT | |
| VB4EFY | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg AP | NT | |
| Item 4 | Pos LMG, HemaTrace | Pos AP, Micro, PSA | NT | |
| VCYXJL | | | | |
| Item 3 | Pos KM, Hemastix, HemaTrace | Neg AP, PSA | | |
| Item 4 | Pos KM, Hemastix, HemaTrace | Pos AP, PSA, Micro | | |
| VDTNPZ | | | | |
| Item 3 | Pos KM | Neg AP | NT | |
| Item 4 | Pos KM | Pos AP, Micro | NT | |
| VE2XFC | | | | |
| Item 3 | Pos LMG | Neg AP, PSA, Microscopy | NT | |
| Item 4 | Pos LMG | Pos AP, PSA, Microscopy | NT | |
| VFJP6P | | | | |
| Item 3 | Pos KM | Neg AP | Neg Amylase Radial Diffusion plate | |
| Item 4 | Pos KM | Pos AP, Micro | Neg Amylase Radial Diffusion plate | |
| VKB7AM | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, PSA, Micro | Neg Phadebas | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | Neg Phadebas | |

| | | Fluid ID | | | |
|---------|--------------------------------------|--|------------------------------|--|--|
| Webcode | Blood | Semen | Saliva | Other | |
| VP7QAD | | | | | |
| Item 3 | Pos LMG, HemaTrace, ALS | Neg AP, Micro, PSA | NT | | |
| Item 4 | Pos LMG, HemaTrace, ALS | Pos AP, Micro, PSA | NT | | |
| VUEA97 | | | | | |
| Item 3 | Pos O-tol | Neg ALS, AP, Micro, p30 | Neg Amylase Diffusion | | |
| Item 4 | Pos O-tol | Pos ALS, AP, Micro, p30 | Neg Amylase Diffusion | | |
| VWLK9F | | | | | |
| Item 3 | Pos O-tol | Neg AP | NT | | |
| Item 4 | Pos O-tol | Pos AP, PSA | | | |
| VWLPJH | | | | | |
| Item 3 | | | | male DNA, Neg Y-screening | |
| Item 4 | | | | male DNA, Pos Y-screening | |
| VX2YKV | | | | | |
| Item 3 | Pos KM, RSID-Blood, HemaTrace | Neg Micro (CT stain), p30 | Neg Phadebas | Urine, Negative; RSID-Urine: Fecal, Negative Urobilinogen | |
| Item 4 | Pos KM, RSID-Blood HemaTrace | Pos AP, Micro (*SH -stain:CT stain), p30 | Neg Phadebas | | |
| VXZ3D7 | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | NT | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | NT | | |
| VZPD6Y | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | NT | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, Micro | NT | | |
| W2CEJL | | | | | |
| Item 3 | Pos KM | Neg Micro, p30, ALS | NT | | |
| Item 4 | Pos KM | Pos Micro, ALS | NT | | |
| W382XB | | | | | |
| Item 3 | Pos KM, HemaTrace | NT | NT | | |
| Item 4 | Pos KM, HemaTrace | NT | NT | | |
| W86AT7 | | | | | |
| Item 3 | Pos HemDirect | Neg ALS, AP, Micro, RSID-Semen, ABACard p30 | Neg RSID-Saliva | | |
| Item 4 | Pos HemDirect | Pos ALS, AP, Micro, RSID-Semen, ABACard p30 | Neg RSID-Saliva | | |

| Webcode | Fluid ID | | | |
|---------------|---|---|--------------------|-------------------------------|
| | Blood | Semen | Saliva | Other |
| W9GYZP | | | | |
| Item 3 | Pos O-tol | Neg AP, ALS, Micro | Neg RSID | |
| Item 4 | Pos O-tol | Pos AP, Micro | Neg RSID | |
| WACKRV | | | | |
| Item 3 | Pos LMG | Neg AP | NT | |
| Item 4 | Pos LMG | Pos AP, Micro | NT | |
| WCT3DK | | | | |
| Item 3 | Pos KM, HemaTrace | | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, Microscopy | | |
| WDMTJZ | | | | |
| Item 3 | Pos KM | Neg AP | NT | |
| Item 4 | Pos KM | Pos AP, Micro | NT | |
| WGBEGG | | | | |
| Item 3 | Pos Hemident, HemaTrace | Neg ABACard p30, Sperm Hy-Liter Express Staining | NT | |
| Item 4 | Pos Hemident, HemaTrace | Pos ABACard p30, Sperm Hy-Liter Express Staining | NT | |
| WL8TBX | | | | |
| Item 3 | Pos KM | Neg ALS, AP | NT | |
| Item 4 | Pos KM | Pos ALS, AP, Micro | NT | |
| WN82GT | | | | |
| Item 3 | Pos O-tol, RSID | Neg AP | | |
| Item 4 | Pos O-tol, RSID | Pos AP, PSA | | Spermatazoa, Pos Micro |
| WNDGPN | | | | |
| Item 3 | Pos O-tol | Neg AP (x2), Micro, ALS | Neg RSID | |
| Item 4 | Pos O-tol | Pos AP (x2), Micro, ALS | Neg RSID | |
| WR8BMP | | | | |
| Item 3 | Pos O-tol | Neg AP, Micro, p30 ABACard | Neg Amylase | |
| Item 4 | Pos O-tol | Pos AP, Micro, p30 ABACard | Neg Amylase | |
| WYRCU2 | | | | |
| Item 3 | Pos immunochromatography-Human Blood | Neg Micro | | |
| Item 4 | Pos immunochromatography-Human Blood | Pos Micro | | |

| Webcode | Fluid ID | | | |
|---------|--------------------|--------------------|-----------------|-------|
| | Blood | Semen | Saliva | Other |
| XAK9DE | | | | |
| Item 3 | Pos O-tol | Neg PSA | Neg RSID | |
| Item 4 | Pos O-tol | Pos PSA, AP | Neg RSID | |
| XAQ9MV | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, p30 | NT | |
| Item 4 | Pos KM, HemaTrace | Pos AP, p30, Micro | NT | |
| XBEU6K | | | | |
| Item 3 | Pos LMG | Neg AP | Neg RSID-Saliva | |
| Item 4 | Pos LMG | Pos AP, PSA | Neg RSID-Saliva | |
| XEHRFD | | | | |
| Item 3 | Pos O-tol | Neg AP | NT | |
| Item 4 | Pos O-tol | Pos AP, Micro | NT | |
| XHXBK2 | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg AP, PSA, Micro | NT | |
| Item 4 | Pos LMG, HemaTrace | Pos AP, PSA, Micro | NT | |
| XJBH94 | | | | |
| Item 3 | Pos KM | Neg AP | NT | |
| Item 4 | Pos KM | Pos AP, PSA, Micro | NT | |
| XK6GVG | | | | |
| Item 3 | Pos FOB | Neg PSA | NT | |
| Item 4 | Pos FOB | Pos BSA | NT | |
| XMUTT2 | | | | |
| Item 3 | Pos KM | Neg AP | NT | |
| Item 4 | Pos KM | Pos AP | NT | |
| XN6P3C | | | | |
| Item 3 | Pos KM, HemaTrace | NT | NT | |
| Item 4 | Pos KM, HemaTrace | NT | NT | |
| XRMU72 | | | | |
| Item 3 | Pos KM, ABA | Neg AP | Neg Phad | |
| Item 4 | Pos KM, ABA | Pos AP, PSA | Neg Phad | |
| XV6YX6 | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP | NT | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | NT | |

| | | Fluid ID | | |
|---------|---------------------------|---|--------------------|------------------|
| Webcode | Blood | Semen | Saliva | Other |
| XVNVYJ | | | | |
| Item 3 | Pos KM, HemaTrace | Neg ALS, AP, Micro | NT | |
| Item 4 | Pos KM, HemaTrace | Pos ALS, AP, Micro | NT | |
| XWD3GU | | | | |
| Item 3 | Pos RSID | Neg RSID | NT | |
| Item 4 | Pos RSID | Pos RSID | NT | |
| XXNAH3 | | | | |
| Item 3 | Pos LMG | Neg SM, PSA | NT | |
| Item 4 | Pos LMG | Pos SM, PSA | NT | |
| Y27JDL | | | | |
| Item 3 | Pos LMG | Neg AP | Neg RSID-Saliva | |
| Item 4 | Pos LMG | Pos AP, PSA | Neg RSID-Saliva | |
| Y6BD2H | | | | |
| Item 3 | Pos LMG | Neg AP | | |
| Item 4 | Pos LMG | Pos AP, Micro | | |
| Y72JJU | | | | |
| Item 3 | Pos KM, HemDirect | Neg AP, PSA, ALS | NT | |
| Item 4 | Pos KM, HemDirect | Pos AP(+), ALS (neg), PSA (+), Micro (+) | NT | |
| YDLHA3 | | | | |
| Item 3 | Pos KM, ABACard HemaTrace | Neg AP | Neg Phadebas Press | |
| Item 4 | Pos KM, ABACard HemaTrace | Pos AP, PSA | Neg Phadebas Press | |
| YEULXY | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg AP | NT | |
| Item 4 | Pos LMG, HemaTrace | Pos AP, p30 | NT | Sperm, Pos Micro |
| YFPG48 | | | | |
| Item 3 | Pos Hemastix | Neg AP | NT | |
| Item 4 | Pos Hemastix | Pos AP | NT | |
| YFQ8EW | | | | |
| Item 3 | Pos KM | Neg ALS, AP | NT | |
| Item 4 | Pos KM | Pos ALS, AP, Micro | NT | |

| Webcode | Fluid ID | | | |
|---------|---------------------------|-------------------------|----------------------------|-------|
| | Blood | Semen | Saliva | Other |
| YLRHA4 | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg ALS, AP | NT | |
| Item 4 | Pos LMG, HemaTrace | Pos ALS, AP, PSA | NT | |
| YQ3QJK | | | | |
| Item 3 | Pos LMG | Neg AP | Neg RSID-Saliva | |
| Item 4 | Pos LMG | Pos AP, PSA | Neg RSID-Saliva | |
| YR4CLR | | | | |
| Item 3 | Pos KM | Neg AP | NT | |
| Item 4 | Pos KM | Pos AP, Micro | NT | |
| YRJLN2 | | | | |
| Item 3 | Pos KM | Neg AP, Micro | NT | |
| Item 4 | Pos KM | Pos AP, Micro | NT | |
| YULKH7 | | | | |
| Item 3 | Pos KM | Neg AP, PSA, Micro | NT | |
| Item 4 | Pos KM | Pos AP, PSA, Micro | NT | |
| YYGDUA | | | | |
| Item 3 | Pos KM | Neg AP | NT | |
| Item 4 | Pos KM | Pos AP, Micro | NT | |
| YYHEC2 | | | | |
| Item 3 | Pos LMG | Neg AP, PSA | Neg SALIgAE, RSID-Sal | |
| Item 4 | Pos LMG | Pos AP, PSA | Neg SALIgAE, RSID-Sal | |
| YZYCX | | | | |
| Item 3 | Pos KM, Seratec HemDirect | Neg AP, Micro | NT | |
| Item 4 | Pos KM, Seratec HemDirect | Pos AP, Micro | NT | |
| Z2KPR2 | | | | |
| Item 3 | Pos KM | Neg AP, Micro for Sperm | Neg ARD, Micro for e-cells | |
| Item 4 | Pos KM | Pos AP, Micro for Sperm | Neg ARD, Micro for e-cells | |
| Z4QVMB | | | | |
| Item 3 | Pos HemaTrace | Neg PSA, Micro | NT | |
| Item 4 | Pos HemaTrace | Pos PSA, Micro | NT | |

| | | Fluid ID | | | |
|----------------|------------------------------------|--------------------------------|------------------------|---|--|
| Webcode | Blood | Semen | Saliva | Other | |
| ZADMU4 | | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg ALS, AP | NT | | |
| Item 4 | Pos LMG, HemaTrace | Pos ALS, AP, Abacus p30 | NT | | |
| ZGA8PR | | | | | |
| Item 3 | Pos KM | Neg ALS, AP, PSA, Micro | | | |
| Item 4 | Pos KM | Pos ALS, AP, PSA, Micro | | | |
| ZGD68V | | | | | |
| Item 3 | Pos LMG, HemaTrace | Neg AP | NT | | |
| Item 4 | Pos LMG, HemaTrace | Pos AP, Micro, PSA | NT | | |
| ZGD8WY | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg ALS, AP | NT | | |
| Item 4 | Pos KM, HemaTrace | Pos ALS, AP, PSA, Micro | NT | | |
| ZGHKEU | | | | | |
| Item 3 | Pos KM | Neg ALS, AP, Micro, PSA | NT | | |
| Item 4 | Pos KM | Pos ALS, AP, Micro | NT | | |
| ZGYLGW | | | | | |
| Item 3 | Pos KM, Takayama, HemaTrace | Neg AP | NT | Human Origin, HemaTrace, Plexor Pos HY | |
| Item 4 | Pos KM, Takayama | Pos AP, Micro, PSA | Neg RSID-Saliva | Human Origin, Plexor HY Pos | |
| ZGZJNK | | | | | |
| Item 3 | Pos KM, HemaTrace | Neg AP, PSA, Micro | Neg Phadebas | | |
| Item 4 | Pos KM, HemaTrace | Pos AP, PSA, Micro | Neg Phadebas | | |
| ZH8YWC | | | | | |
| Item 3 | Pos KM | Neg BCIP | Neg Phadebas | | |
| Item 4 | Pos KM | Pos BCIP, PSA, Micro | Neg Phadebas | | |
| ZH9MBG | | | | | |
| Item 3 | Pos KM, TMB | Neg PSA, Micro | NT | | |
| Item 4 | Pos KM, TMB | Pos PSA, Micro | NT | | |
| ZRDQHZ | | | | | |
| Item 3 | Pos KM | Neg AP | NT | | |
| Item 4 | Pos KM | Pos AP, Micro | NT | | |

| Fluid ID | | | | |
|-----------------|--------------|--------------|---------------|--------------|
| Webcode | Blood | Semen | Saliva | Other |

ZVHGMU

| | | | | |
|--------|--------------------------|----------------------|-----------------|--|
| Item 3 | Pos KM, HemaTrace | Neg AP, Micro | Neg RSID | |
| Item 4 | Pos KM, HemaTrace | Pos AP, Micro | NT | |

| Table 1: Serology Screening Response Summary | | Item 3 | | Participants: 343 |
|---|--|---------------|--|--------------------------|
|---|--|---------------|--|--------------------------|

| ITEM 3: | <u>Blood</u> | <u>Semen</u> | <u>Saliva</u> |
|-----------------|--------------|--------------|---------------|
| Positive | 342 | 0 | 0 |
| Negative | 0 | 324 | 93 |
| Inconclusive | 0 | 0 | 0 |
| Not Tested (NT) | 0 | 17 | 235 |
| Not Reported | 1 | 2 | 15 |

| Table 1: Serology Screening Response Summary | | Item 4 | | Participants: 343 |
|---|--|---------------|--|--------------------------|
|---|--|---------------|--|--------------------------|

| ITEM 4: | <u>Blood</u> | <u>Semen</u> | <u>Saliva</u> |
|-----------------|--------------|--------------|---------------|
| Positive | 342 | 328 | 0 |
| Negative | 0 | 0 | 101 |
| Inconclusive | 0 | 0 | 1 |
| Not Tested (NT) | 0 | 14 | 220 |
| Not Reported | 1 | 1 | 21 |

Amplification Kit(s) & STR Results

TABLE 2

| WebCode | Item | D1S1656 | D2S1338 | D2S441 | D3S1358 | D5S818 | D7S820 |
|-----------------------------|---------------------|---------|----------|----------|------------|------------|--------|
| | | D8S1179 | D10S1248 | D12S391 | D13S317 | D16S539 | D18S51 |
| | | D19S433 | D21S11 | D22S1045 | Amelogenin | CSF1PO | FGA |
| | | Penta D | Penta E | SE33 | TH01 | TPOX | vWA |
| Item 1 - STR Results | | | | | | | |
| 23RCU9 | Identifiler® Plus | | | | | | |
| | 1 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | - | - | - | 9.3,9.3 | 8,8 | 16,16 |
| 2DD7G3 | Identifiler® Plus | | | | | | |
| | 1 | n/a | 17,22 | n/a | 16,16 | 11,12 | 9,13 |
| | | 12,17 | n/a | n/a | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | n/a | X,X | 10,14,[15] | 22,23 |
| | | n/a | n/a | n/a | 9.3,9.3 | 8,8 | 16,16 |
| 2GBUQH | Identifiler® | | | | | | |
| | 1 | N/A | 17,22 | N/A | 16,16 | 11,12 | 9,13 |
| | | 12,17 | N/A | N/A | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | N/A | X,X | 10,14 | 22,23 |
| | | N/A | N/A | N/A | 9.3,9.3 | 8,8 | 16,16 |
| 2JXGD4 | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| 2KED4H | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 2RTGTW | GlobalFiler Express | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | | 14,28.2 | 9.3 | 8 | 16 | |
| 2YCR2Q | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |

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

Item 1 - STR Results

| | | | | | | | | |
|--------|------------------------------|-------|---------|---------|-------|----------|-------|----|
| 2YYYLQ | Identifiler® Plus, MiniFiler | | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 | |
| | | 12,17 | | | 12,13 | 9 | 13,16 | |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 | |
| | | | | 9.3 | 8 | 16 | | |
| 37QTYF | Identifiler® Plus | | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 | |
| | | 12,17 | | | 12,13 | 9 | 13,16 | |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 | |
| | | | | 9.3 | 8 | 16 | | |
| 3APG8A | Identifiler® + | | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 | |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 | |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 | |
| | | | | 9.3,9.3 | 8,8 | 16,16 | | |
| 3B6D2U | PowerPlex® HS | | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 | |
| | | 12,17 | | | 12,13 | 9 | 13,16 | |
| | | | 28,32.2 | | X | 10,14 | 22,23 | |
| | | | | 10,11 | 12 | 9.3 | 8 | 16 |
| 3E8ARP | Identifiler® Plus, MiniFiler | | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 | |
| | | 12,17 | | | 12,13 | 9 | 13,16 | |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 | |
| | | | | 9.3 | 8 | 16 | | |
| 3H39X8 | Identifiler® Plus | | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 | |
| | | 12,17 | | | 12,13 | 9 | 13,16 | |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 | |
| | | | | 9.3 | 8 | 16 | | |
| 3MCLGR | PowerPlex® 16 HS | | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 | |
| | | 12,17 | | | 12,13 | 9 | 13,16 | |
| | | | 28,32.2 | | X | 10,14 | 22,23 | |
| | | | | 10,11 | 12 | 9.3 | 8 | 16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|------------------------------|-------|---------|---------|---------|-------|-------|
| 3N84G8 | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | 10,11 | 12,12 | | 9,3,9.3 | 8,8 | 16,16 |
| 3UTYHB | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| 3W34VZ | Identifiler® Plus, MiniFiler | | | | | | |
| | 1 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | - | - | - | 9,3,9.3 | 8,8 | 16,16 |
| 42UQA7 | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| 436HBA | Identifiler® | | | | | | |
| | 1 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X | 10,14 | 22,23 |
| | | - | - | - | 9,3 | 8 | 16 |
| 49EKRW | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| 4AQJJK | PowerPlex® HS | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9,3 | 8 | 16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|---------|-------------------|-------|---------|---------|-------|------------|-------|
| 4EKG CW | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,15 | 22,23 |
| | | | | 9,3,9,3 | 8,8 | 16,16 | |
| 4FRP8B | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9,3 | 8 | 16 | |
| 4JX44G | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9,3 | 8 | 16 | |
| 4LXAK8 | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9,3 | 8 | 16 | |
| 4NKXW8 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,(15) | 22,23 |
| | | | | 9,3,9,3 | 8,8 | 16,16 | |
| 4QDW2X | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9,3 | 8 | 16 | |
| 4ZLC6K | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9,3 | 8 | 16 | |

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

Item 1 - STR Results

| | | | | | | | |
|--------|------------------------------|-------|---------|-----|---------|-------|-------|
| 64EX6M | Identifiler® Plus, MiniFiler | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| 64FJW9 | Profiler® Plus | | | | | | |
| | 1 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | | 13,16 |
| | | | 28,32.2 | | X,X | | 22,23 |
| | | | | | | | 16,16 |
| 6649YZ | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9.3,9.3 | 8,8 | 16,16 |
| 68WVZ4 | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9.3,9.3 | 8,8 | 16,16 |
| 6ALGED | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| 6JL2M8 | Identifiler Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9.3,9.3 | 8,8 | 16,16 |
| 6LBCH7 | Identifiler® | | | | | | |
| | 1 | N/A | 17,22 | N/A | 16,16 | 11,12 | 9,13 |
| | | 12,17 | N/A | N/A | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | N/A | X,X | 10,14 | 22,23 |
| | | | | | 9.3,9.3 | 8,8 | 16,16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|--|---------|---------|---------|-------|------------|-------|
| 6LWUPL | PowerPlex® 16 HS | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |
| 6N2H8X | Identifiler® Plus, Profiler® Plus, MiniFiler | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 6NF3LZ | PowerPlex® Fusion | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |
| 6NNQHM | Identifiler Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 6NZLPL | Identifiler® Direct | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| 6QPXG6 | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,[15] | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 6QQNRU | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,15 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |

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

Item 1 - STR Results

| | | | | | | | |
|--------|-------------------------------|---------|---------|---------|---------|-------------|-------|
| 6RKJ8B | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | | 16 |
| 6TYV3A | Globalfiler | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | | | 14,28.2 | 9.3,9.3 | 8,8 | 16,16 |
| 766AFR | Identifiler® Identifiler Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | | 16 |
| 769YTP | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | | 16 |
| 7AEQQ2 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | | 16 |
| 7C8KKP | Identifiler® Direct | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,[inc] | 22,23 |
| | | | | 9.3 | 8 | | 16 |
| 7MP66L | Identifiler® Direct | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | | 16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | | |
|--------|-----------------------|---|---------|---------|-------|---------|-------|-------|
| 7QMQRH | PowerPlex® HS, Fusion | 1 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | | 10,11 | 12 | | 9.3 | 8 | 16 |
| 7TCQC9 | PowerPlex® 21 | 1 | 15,15.3 | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | | 12,17 | | 19,20 | 12,13 | 9,9 | 13,16 |
| | | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | 10,11 | 12,12 | | 9.3,9.3 | 8,8 | 16,16 |
| 7TPKGM | Identifiler® Plus | 1 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | | 12,13 | 28,32.2 | - | X | 10,14 | 22,23 |
| | | | - | - | - | 9.3 | 8 | 16 |
| 7Y6RF8 | PowerPlex® 21 | 1 | 15,15.3 | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | | 12,17 | | 19,20 | 12,13 | 9,9 | 13,16 |
| | | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | 10,11 | 12,12 | | 9.3,9.3 | 8,8 | 16,16 |
| 84PBV3 | Identifiler® Plus | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | | 9.3,9.3 | 8,8 | 16,16 |
| 87CVXQ | Identifiler® Plus | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | | 9.3,9.3 | 8,8 | 16,16 |
| 887XA9 | Identifiler® Plus | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | | 9.3 | 8 | 16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|--------------------------------------|---------|---------|---------|---------|----------|-------|
| 8AV6U6 | Identifiler® Plus, MiniFiler | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| 8F4EAD | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| 8HAY2K | Fusion | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| 8HP839 | Globalfiler | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | | | 14,28.2 | 9.3,9.3 | 8,8 | 16,16 |
| 8MGMEL | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| 8NA8FZ | Identifiler® Plus, PowerPlex® Fusion | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | 10,11 | 12 | NT | 9.3 | 8 | 16 |
| 8RRKZM | PowerPlex® 16 HS | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|---------|-------|-------|-------|
| 8TJNM3 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 8W4FUY | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| 8W6GQH | PowerPlex® 16 HS | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| 8XM6DJ | PowerPlex® Fusion | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| 8YR8Q2 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| 973PHZ | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 98679J | PowerPlex® 16 HS | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |

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

Item 1 - STR Results

| | | | | | | | |
|--------|-----------------------|---------|---------|---------|---------|-------------|-------|
| 9AUFFZ | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14,15 | 22,23 |
| | | 10,11 | 12,12 | | 9,3,9.3 | 8,8 | 16,16 |
| 9B6ECU | PowerPlex® Fusion, HS | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| 9C2QEN | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,[INC] | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 9CZZ4Z | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| 9F2YKK | Identifiler® Direct | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,[INC] | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 9G8HCZ | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 9JV6VF | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,[15] | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|------------------------------|---------|---------|---------|-------|----------|-------|
| 9L8V76 | PowerPlex® 21 system kit | | | | | | |
| | 1 | 15,15.3 | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,15 | 22,23 |
| | 10,11 | 12,12 | | 9,3,9.3 | 8,8 | 16,16 | |
| 9QVGTX | Globalfiler | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | | 14,28.2 | 9,3,9.3 | 8,8 | 16,16 | |
| 9TH76X | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| 9UVQYT | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 9ZKB3A | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| A8ZDMG | Identifiler® Plus, MiniFiler | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| AAKCTY | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|--|---------|---------|---------|---------|------------|-------|
| AAPPFV | Identifiler® Direct, PowerPlex® ESX 17 | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | | | 14,28.2 | 9,3,9.3 | 8,8 | 16,16 |
| AGRH2C | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,[15] | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| AHFAJ8 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| AKP8YB | Identifiler Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| ALH2YZ | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| AR7JGH | PP16 HS | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| ATZ8XR | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|-------------------|-------|---------|---------|---------|-------|-------|
| AZEFW9 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| B236PZ | Identifiler® Plus | | | | | | |
| | 1 | n/a | 17,22 | n/a | 16,16 | 11,12 | 9,13 |
| | | 12,17 | n/a | n/a | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | n/a | X,X | 10,14 | 22,23 |
| | | n/a | n/a | n/a | 9.3,9.3 | 8,8 | 16,16 |
| B2HLKT | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| B8GMFH | PowerPlex® 16 HS | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| B8UE4T | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| BAKKM4 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| BDZ3Q8 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|---------|---------|----------|-------|
| BEUKZV | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| BF32NT | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| BJLU42 | PowerPlex® HS | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| BN2DDV | Globalfiler | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | | | 14,28.2 | 9,3,9.3 | 8,8 | 16,16 |
| BQN2PW | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| BTYPG9 | Identifiler® | | | | | | |
| | 1 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | - | - | - | 9,3,9.3 | 8,8 | 16,16 |
| C3ECCT | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |

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

Item 1 - STR Results

| | | | | | | | |
|--------|---------------------|-------|---------|-----|---------|----------|-------|
| C8CPHR | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| CB9DWD | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| CE9GWM | Identifiler® Direct | | | | | | |
| | 1 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | XX | 10,14 | 22,23 |
| | | - | - | - | 9.3 | 8 | 16 |
| CHQQUQ | Identifiler® Plus | | | | | | |
| | 1 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | XX | 10,14 | 22,23 |
| | | - | - | - | 9.3,9.3 | 8,8 | 16,16 |
| CHTCRR | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| CL94FZ | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| CRF9TT | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14,15 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|---------|-------------------|-------|---------|---------|-------|----------|-------|
| D3DT9Q | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| D9ZF6G | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| DCE82C | PowerPlex® 16,18D | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | 9.3 | 8 | 16 | |
| DCWD8T | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| DDCDQH | PowerPlex® 16 HS | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | 9.3 | 8 | 16 | |
| DN TD37 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| DQZLEC | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|--|-----------------|------------------------------------|---------|-------|----------------------------------|----------------------------------|
| DUYVHY | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| DW2XYM | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| DXJTWG | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| EBQW2B | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| EC9CVB | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9 [^] ,13 [^] |
| | | 12,17 | | | 12,13 | 9 | 13 [^] ,16 [^] |
| | | | 28 [^] ,32.2 [^] | | X | 10 [^] ,14 [^] | 22 [^] ,23 [^] |
| | 10 [^] ,11 [^] | 12 [^] | | 9.3 | 8 | 16 | |
| EE3V7P | Identifiler® Identifiler Plus, MiniFiler | | | | | | |
| | 1 | NT | 17,22 | NT | 16,16 | 11,12 | 9,13 |
| | | 12,17 | NT | NT | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | NT | X,X | 10,14,[15]* | 22,23 |
| | NT | NT | NT | 9,3,9.3 | 8,8 | 16,16 | |
| EH3CCR | Identifiler® Plus | | | | | | |
| | 1 | NA | 17,22 | NA | 16 | 11,12 | 9,13 |
| | | 12,17 | NA | NA | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | NA | X | 10,14 | 22,23 |
| | NA | NA | NA | 9.3 | 8 | 16 | |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|------------------------|---------|---------|---------|---------|-------------|-------|
| EP326C | PowerPlex® 16HS, ESX17 | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | 10,11 | 12,12 | 14,28.2 | 9.3,9.3 | 8,8 | 16,16 |
| EU3LCM | Identifiler Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| EUYDVM | Identifiler® Plus | | | | | | |
| | 1 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | - | - | - | 9.3,9.3 | 8,8 | 16,16 |
| EW2B7F | PowerPlex® HS | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| EXFL9E | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,[INC] | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| EZ34FE | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| F6UQM8 | Identifiler® | | | | | | |
| | 1 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X | 10,14 | 22,23 |
| | | - | - | - | 9.3 | 8 | 16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|-------------------|-------|---------|---------|-------|------------|-------|
| F7NF48 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,[15] | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| FGJRZT | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| FHHXCL | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| FQWMAU | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| G3NNB2 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| G4DVTC | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| G6L7CA | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,[15] | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|--|-------|---------|---|---------|-------|-------|
| GECRH8 | Identifiler® | | | | | | |
| | 1 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X | 10,14 | 22,23 |
| | | - | - | - | 9.3 | 8 | 16 |
| GPAP68 | Identifiler® | | | | | | |
| | 1 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X | 10,14 | 22,23 |
| | | - | - | - | 9.3 | 8 | 16 |
| GR3MQK | Identifiler® Plus, Profiler® Plus, MiniFiler | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| GTU7Q | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9.3,9.3 | 8,8 | 16,16 |
| H4RQP4 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| HAWPZU | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| HAXDLE | Identifiler® Direct | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |

TABLE 2

| WebCode | Item | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|-----------------------------|--|--|--|---------------------------------------|--|-------------------------------------|--------------------------------|
| Item 1 - STR Results | | | | | | | |
| HAXFBH | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |
| HET3V7 | Identifiler® | | | | | | |
| | 1 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X | 10,14 | 22,23 |
| | | - | - | - | 9.3 | 8 | 16 |
| HFNUVJ | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| HKEDQM | Identifiler® Direct, PowerPlex® ESX 17 | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | | | 14,28.2 | 9,3,9.3 | 8,8 | 16,16 |
| HMLFTK | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| HPTW33 | Identifiler® Plus | | | | | | |
| | 1 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X | 10,14 | 22,23 |
| | | - | - | - | 9.3 | 8 | 16 |
| HU8JTZ | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|---------------------|-------|---------|---------|---------|-------|-------|
| HVGKX8 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| HVUALR | Identifiler® Plus | | | | | | |
| | 1 | NT | 17,22 | NT | 16,16 | 11,12 | 9,13 |
| | | 12,17 | NT | NT | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | NT | X,X | 10,14 | 22,23 |
| | | NT | NT | NT | 9.3,9.3 | 8,8 | 16,16 |
| HXX3JW | Identifiler® Direct | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| HYHHFM | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| J2C3CH | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| J2Z4H9 | Identifiler® Plus | | | | | | |
| | 1 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X | 10,14 | 22,23 |
| | | - | - | - | 9.3 | 8 | 16 |
| J628AV | Identifiler® Direct | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|---------|-------------------|---------|---------|-------|---------|-------|-------|
| JAV7L7 | Identifiler® | | | | | | |
| | 1 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X | 10,14 | 22,23 |
| | | - | - | - | 9.3 | 8 | 16 |
| JFE CFR | PowerPlex® Fusion | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | 10,11 | 12,12 | | 9.3,9.3 | 8,8 | 16,16 |
| JPR8RD | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9.3,9.3 | 8,8 | 16,16 |
| JRAHCB | Identifiler® Plus | | | | | | |
| | 1 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X | 10,14 | 22,23 |
| | | - | - | - | 9.3 | 8 | 16 |
| JT62FX | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| JW3JFB | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| JXF9JM | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |

TABLE 2

| WebCode | Item | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|-----------------------------|---------------------|--|--|---------------------------------------|--|-------------------------------------|--------------------------------|
| Item 1 - STR Results | | | | | | | |
| K42NKY | Identifiler® | | | | | | |
| | 1 | N/A | 17,22 | N/A | 16,16 | 11,12 | 9,13 |
| | | 12,17 | N/A | N/A | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | N/A | X,X | 10,14 | 22,23 |
| | | N/A | N/A | N/A | 9,3,9.3 | 8,8 | 16,16 |
| K8XC4R | Profiler® Plus | | | | | | |
| | 1 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | | 13,16 |
| | | | 28,32.2 | | X,X | | 22,23 |
| | | | | | | | 16,16 |
| K9CPWV | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| K9RXUX | Identifiler® Direct | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |
| K9YTTC | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |
| KA4TGP | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| KALNZC | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|-----------------------|---------|---------|---------|-------|----------|-------|
| KAMLB8 | Essplex Plus | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16,16 | | |
| | | 12,17 | 13,15 | 19,20 | | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | | 22,23 |
| | | | | 9.3,9.3 | | | 16,16 |
| KBH2M6 | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |
| KBH6D9 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| KDB2UF | PowerPlex® HS, Fusion | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |
| KE7FKE | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| KJYNPL | PowerPlex® | | | | | | |
| | 1 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14,15 | 22,23 |
| | 10,11 | 12,12 | | 9.3,9.3 | 8,8 | 16,16 | |
| KKLEHD | Identifiler® Direct | | | | | | |
| | 1 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | - | - | - | 9.3 | 8 | 16 | |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|------------------------------|-------|---------|---------|---------|---------------|-------|
| KPDZL | Identifiler Plus | | | | | | |
| | 1 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | - | - | - | 9,3,9.3 | 8,8 | 16,16 |
| KU3WCY | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | [10],[14],15* | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| KXH8NG | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| L2TLM8 | Identifiler® Plus, MiniFiler | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| L4VTEY | Identifiler® | | | | | | |
| | 1 | N/A | 17,22 | N/A | 16,16 | 11,12 | 9,13 |
| | | 12,17 | N/A | N/A | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | N/A | X,X | 10,14 | 22,23 |
| | | N/A | N/A | N/A | 9,3,9.3 | 8,8 | 16,16 |
| L6WDV8 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| L9PLTM | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|--|---------|---------|---------|---------|-------|-------|
| L9U6HB | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| LA7T3B | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| LAR3H8 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| LEHMWM | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| LLY7AU | Identifiler® Identifiler Plus, MiniFiler | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| LPETQK | GlobalFiler Express | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | | 14,28.2 | 9.3,9.3 | 8,8 | 16,16 | |
| LPYEGP | Identifiler® | | | | | | |
| | 1 | N/A | 17,22 | N/A | 16,16 | 11,12 | 9,13 |
| | | 12,17 | N/A | N/A | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | N/A | X,X | 10,14 | 22,23 |
| | | N/A | N/A | N/A | 9.3,9.3 | 8,8 | 16,16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|--------------------------|---------|---------|---------|-------|----------|-------|
| LR6XJR | PowerPlex® Fusion | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| LR6Z9W | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| LTU7NM | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| LTZHAX | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14 | 22,23 |
| | 10,11 | 12,12 | | 9.3,9.3 | 8,8 | 16,16 | |
| LUGJLZ | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| LWHQKJ | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |
| M4XRG8 | PowerPlex® Fusion Direct | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |

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

Item 1 - STR Results

| | | | | | | | |
|--------|-------------------|-------|---------|---------|-------|------------|-------|
| M98P9Z | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| MAKJQL | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| MD6BZ3 | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| MDLME2 | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| MN9GZW | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,[15] | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| MP33R3 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| MXBWKA | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |

| WebCode | Item | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|-----------------------------|----------------------------|--|--|---------------------------------------|--|-------------------------------------|--------------------------------|
| Item 1 - STR Results | | | | | | | |
| MYKVQC | Investigator ESS PLEX Plus | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16,16 | | |
| | | 12,17 | 13,15 | 19,20 | | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | | 22,23 |
| | | | | | 9,3,9.3 | | 16,16 |
| MZUYKM | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |
| N6Y9ZU | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |
| N7TY7A | PowerPlex® | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| NDW9Q4 | PowerPlex® FUSION | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | 10,11 | 12,12 | | 9,3,9.3 | 8,8 | 16,16 |
| NFNXU3 | Identifiler Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| NGGTC6 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |

TABLE 2

| WebCode | Item | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|-----------------------------|-------------------|--|--|---------------------------------------|--|-------------------------------------|--------------------------------|
| Item 1 - STR Results | | | | | | | |
| NLPBED | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| NTCU69 | PowerPlex® 16 HS | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| NTRPF2 | Identifiler Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| NUNNRZ | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,[15] | 22,23 |
| | | | | | 9.3,9.3 | 8,8 | 16,16 |
| NW9MUW | Identifiler® | | | | | | |
| | 1 | N/A | 17,22 | N/A | 16,16 | 11,12 | 9,13 |
| | | 12,17 | N/A | N/A | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | N/A | X,X | 10,14 | 22,23 |
| | | N/A | N/A | N/A | 9.3,9.3 | 8,8 | 16,16 |
| P2J4WX | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9.3,9.3 | 8,8 | 16,16 |
| P2KQMK | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9.3,9.3 | 8,8 | 16,16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|--------------------------|---------|---------|---------|-------|----------|-------|
| P7QNNC | Identifiler® , MiniFiler | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| PDBNEA | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,15 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| PHNBBZ | PowerPlex® Fusion | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | 10,11 | 12 | 9.3 | 8 | 16 | |
| PJXFL4 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| PJYFKH | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | 10,11 | 12 | 9.3 | 8 | 16 | |
| PKT2BN | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| PPL3FM | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|-----------------------------|-------|---------|---------|---------|------------|-------|
| PTP2QF | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| PUJLGL | Identifiler Plus, MiniFiler | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| Q2QU8L | COfiler® and Profiler Plus® | | | | | | |
| | 1 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | | 13,16 |
| | | | 28,32.2 | | X,X | | 22,23 |
| | | | | | | 16,16 | |
| QDT7QU | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| QFDZLA | Identifiler® Plus | | | | | | |
| | 1 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | - | - | - | 9.3,9.3 | 8,8 | 16,16 |
| QGEGBU | Identifiler® | | | | | | |
| | 1 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14,15 | 22,23 |
| | | - | - | - | 9.3,9.3 | 8,8 | 16,16 |
| QK8ZGW | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,(15) | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | | |
|--------|----------------------------------|---------|---------|---------|---------|----------|-------|----|
| QKRHYK | PowerPlex® ESIFAST | | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16,16 | | | |
| | | 12,17 | 13,15 | 19,20 | | 9,9 | 13,16 | |
| | | 12,13 | 28,32.2 | 15,16 | X,X | | 22,23 | |
| | | | 14,28.2 | 9,3,9.3 | | | 16,16 | |
| QP4C74 | Identifiler® Plus | | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 | |
| | | 12,17 | | | 12,13 | 9 | 13,16 | |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 | |
| | | | | 9.3 | 8 | | 16 | |
| QPXDHK | Identifiler® | | | | | | | |
| | 1 | N/A | 17,22 | N/A | 16,16 | 11,12 | 9,13 | |
| | | 12,17 | N/A | N/A | 12,13 | 9,9 | 13,16 | |
| | | 12,13 | 28,32.2 | N/A | X,X | 10,14 | 22,23 | |
| | | N/A | N/A | N/A | 9,3,9.3 | 8,8 | 16,16 | |
| QQYU86 | Identifiler® Plus | | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 | |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 | |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 | |
| | | | | 9,3,9.3 | 8,8 | | 16,16 | |
| QW36RH | Identifiler® Plus | | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 | |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 | |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 | |
| | | | | 9,3,9.3 | 8,8 | | 16,16 | |
| R3MFQ6 | Identifiler® Plus | | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 | |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 | |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 | |
| | | | | 9,3,9.3 | 8,8 | | 16,16 | |
| R4URE9 | Identifiler® Plus, PowerPlex® HS | | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 | |
| | | 12,17 | | | 12,13 | 9 | 13,16 | |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 | |
| | | | | 10,11 | 12 | 9,3 | 8 | 16 |

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

Item 1 - STR Results

| | | | | | | | |
|--------|--------------------------|---------|---------|---------|---------|-------|-------|
| RAL689 | PowerPlex® 16 HS, Fusion | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| RBGGA4 | Identifiler® Direct | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| RFRLTQ | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| RGM98F | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| RH3GJP | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | XX | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| RR4X4Z | Identifiler® Direct | | | | | | |
| | 1 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | XX | 10,14 | 22,23 |
| | | - | - | 9.3,9.3 | 8,8 | 16,16 | |
| RTHBYN | PowerPlex® HotStart | | | | | | |
| | 1 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | | 28,32.2 | | XX | 10,14 | 22,23 |
| | | 10,11 | 12,12 | | 9.3,9.3 | 8,8 | 16,16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|-------------------|-------|---------|---------|-------|------------|-------|
| RVPNKW | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| T6EUWU | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| TBF6UL | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| TBF9C4 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| TBYWX6 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| TG27ZQ | ID+ | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| THDYNE | Identifiler Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,(15) | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|-------------------|-------|---------|---------|---------|------------|-------|
| TM7XDV | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| TMNVML | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| TPCLFD | Identifiler® Plus | | | | | | |
| | 1 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | | | | 9.3,9.3 | 8,8 | 16,16 |
| TTTWLV | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,[15] | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| TVZWZA | Identifiler® Plus | | | | | | |
| | 1 | NA | 17,22 | NA | 16,16 | 11,12 | 9,13 |
| | | 12,17 | NA | NA | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | NA | X,X | 10,14 | 22,23 |
| | | NA | NA | NA | 9.3,9.3 | 8,8 | 16,16 |
| TZC62E | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| TZRBG4 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|----------------------|---------|---------|-------|---------|-------------|-------|
| U9MJRM | PowerPlex® 16 HS | | | | | | |
| | 1 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | 10,11 | 12,12 | | 9,3,9.3 | 8,8 | 16,16 |
| UET3ZN | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |
| UGKACX | PowerPlex® Fusion | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| UJ9LAH | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| UJKNC9 | Identifiler® Plus | | | | | | |
| | 1 | n/a | 17,22 | n/a | 16,16 | 11,12 | 9,13 |
| | | 12,17 | n/a | n/a | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | n/a | X,X | 10,14,[15]* | 22,23 |
| | | n/a | n/a | n/a | 9,3,9.3 | 8,8 | 16,16 |
| ULVALH | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,(15) | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |
| UM6837 | Identifiler® ID Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|---------|---------|---------|-------|
| UNFHAA | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| UW7BRV | GlobalFiler | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | | 14,28.2 | 9,3,9.3 | 8,8 | 16,16 | |
| UXQB9K | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9,3 | 8 | 16 | |
| UY2BB7 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| UYE22C | Identifiler® Plus | | | | | | |
| | 1 | n/t | 17,22 | n/t | 16,16 | 11,12 | 9,13 |
| | | 12,17 | n/t | n/t | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | n/t | X,X | 10,14 | 22,23 |
| | | n/t | n/t | n/t | 9,3,9.3 | 8,8 | 16,16 |
| UZRNLC | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| V47HYN | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,[14] | 22,23 |
| | 10,11 | 12,12 | | 9,3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|---------------------|-------|---------|---------|-------|-------|-------|
| V9ZLV2 | Identifiler® Direct | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| VB4EFY | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| VCYXJL | Identifiler® Direct | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| VDTNPZ | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| VE2XFC | Identifiler® Plus | | | | | | |
| | 1 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| VFJP6P | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| VKB7AM | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|------------------------------|-------|---------|----|---------|----------|-------|
| VNWMUT | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| VP7QAD | Identifiler® Plus | | | | | | |
| | 1 | NT | 17,22 | NT | 16,16 | 11,12 | 9,13 |
| | | 12,17 | NT | NT | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | NT | X,X | 10,14 | 22,23 |
| | | NT | NT | NT | 9.3,9.3 | 8,8 | 16,16 |
| VQFTZH | PowerPlex® 16 HS | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| VUEA97 | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| VWLK9F | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9.3,9.3 | 8,8 | 16,16 |
| VWLPJH | PowerPlex® HS | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| VX2YKV | Identifiler® Plus, MiniFiler | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | | | | 9.3 | 8 | 16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|--------------------------|---------|---------|-------|---------|------------|-------|
| VXZ3D7 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| VZPD6Y | PowerPlex® HS | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| W2CEJL | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | | 28,32.2 | | X,X | INC | 22,23 |
| | | 10,11 | 12,12 | | 9.3,9.3 | 8,8 | 16,16 |
| W382XB | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| W86AT7 | PowerPlex® 16 HS, Fusion | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| W9GYZP | Identifiler® Plus | | | | | | |
| | 1 | NA | 17,22 | NA | 16 | 11,12 | 9,13 |
| | | 12,17 | NA | NA | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | NA | X | 10,14,[15] | 22,23 |
| | | NA | NA | NA | 9.3 | 8 | 16 |
| WACKRV | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |

TABLE 2

| WebCode | Item | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|-----------------------------|---------------------|--|--|---------------------------------------|--|-------------------------------------|--------------------------------|
| Item 1 - STR Results | | | | | | | |
| WCT3DK | Identifiler® Plus | | | | | | |
| | 1 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | - | - | - | 9,3,9.3 | 8,8 | 16,16 |
| WDMTJZ | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |
| WGBEGG | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| WL8TBX | Identifiler® Direct | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| WN82GT | Identifiler Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| WNDGPN | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| WR8BMP | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|-----------------------------------|---------|---------|---------|-------|------------|-------|
| WYRCU2 | PowerPlex® Fusion, 16 HS y ESX 17 | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |
| XAK9DE | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,(15) | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| XAQ9MV | PowerPlex® Fusion, 16 HS | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |
| XBEU6K | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| XEHRFD | Identifiler® Plus, PowerPlex® 18D | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |
| XFTE8Z | PowerPlex® 16 HS | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |
| XHXBK2 | GlobalFiler Express | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | | 14,28.2 | 9.3 | 8 | 16 | |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|----------------------------------|---------|---------|---------|-------|-------|-------|
| XJBH94 | ID+ | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| XK6GVG | Identifiler® Plus, PowerPlex® 21 | | | | | | |
| | 1 | 15,15.3 | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| XMUTT2 | Identifiler® Direct | | | | | | |
| | 1 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | - | - | - | 9.3 | 8 | 16 |
| XN6P3C | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| XRMU72 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| XV6YX6 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| XVNVYJ | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|--------------------------------------|---------|---------|---------|---------|-------|-------|
| XWD3GU | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | 10,11 | 12,12 | | 9,3,9.3 | 8,8 | 16,16 |
| XXNAH3 | Identifiler® Plus, PowerPlex® Fusion | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| Y27JDL | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| Y6BD2H | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| Y72JJU | Identifiler® Identifiler Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| YDLHA3 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| YEULXY | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|---------------------|---------|---------|---------|-------|----------|-------|
| YFPG48 | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| YFQ8EW | Identifiler® Direct | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| YLRHA4 | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14,15 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| YQ3QJK | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| YR4CLR | PowerPlex® Fusion | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| YRJLN2 | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| YULKH7 | Identifiler® Plus | | | | | | |
| | 1 | NA | 17,22 | NA | 16 | 11,12 | 9,13 |
| | | 12,17 | NA | NA | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | NA | X,X | 10,14 | 22,23 |
| | | NA | NA | NA | 9.3 | 8 | 16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|----------------------------------|---------|---------|---------|---------|----------|-------|
| YYGDUA | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| YYHEC2 | Identifiler® Plus, PowerPlex® HS | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| YZYCYX | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| Z2KPR2 | Identifiler® Plus, MiniFiler | | | | | | |
| | 1 | N/A | 17,22 | N/A | 16,16 | 11,12 | 9,13 |
| | | 12,17 | N/A | N/A | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | N/A | X,X | 10,14 | 22,23 |
| | | N/A | N/A | N/A | 9,3,9.3 | 8,8 | 16,16 |
| Z4QVMB | Identifiler® | | | | | | |
| | 1 | N/A | 17,22 | N/A | 16,16 | 11,12 | 9,13 |
| | | 12,17 | N/A | N/A | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | N/A | X,X | 10,14 | 22,23 |
| | | N/A | N/A | N/A | 9,3,9.3 | 8,8 | 16,16 |
| ZADMU4 | PowerPlex® 16 | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14,15 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| ZGD8WY | GlobalFiler | | | | | | |
| | 1 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | | 14,28.2 | 9,3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|---------------------|-------|---------|--|---------|-------------|-------|
| ZGHKEU | Identifiler® DIRECT | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,[INC] | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| ZGYLGW | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,[15] | 22,23 |
| | | | | | 9.3,9.3 | 8,8 | 16,16 |
| ZGZJNK | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| ZH8YWC | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| ZH9MBG | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9.3,9.3 | 8,8 | 16,16 |
| ZN2VNN | Identifiler® | | | | | | |
| | 1 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| ZRDQHZ | Identifiler® Plus | | | | | | |
| | 1 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9.3,9.3 | 8,8 | 16,16 |

TABLE 2

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

Item 1 - STR Results

| | | | | | | | |
|--------|------------------|-------|---------|--|-------|-------|-------|
| ZVHGMU | PowerPlex® 16 HS | | | | | | |
| | 1 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|---------------------|---------|-----------|-------|-------|-------|-------|
| 23RCU9 | Identifiler® Plus | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15,2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | - | 9,10 | 8,11 | 14,17 |
| 2DD7G3 | Identifiler® Plus | | | | | | |
| | 2 | n/a | 23,25 | n/a | 15,16 | 11,12 | 9,11 |
| | | 11,16 | n/a | n/a | 8,12 | 12,12 | 15,17 |
| | | 15,2,16 | 28,31.2 | n/a | X,Y | 11,12 | 20,21 |
| | | n/a | n/a | n/a | 9,10 | 8,11 | 14,17 |
| 2GBUQH | Identifiler® | | | | | | |
| | 2 | N/A | 23,25 | N/A | 15,16 | 11,12 | 9,11 |
| | | 11,16 | N/A | N/A | 8,12 | 12,12 | 15,17 |
| | | 15,2,16 | 28,31.2 | N/A | X,Y | 11,12 | 20,21 |
| | | N/A | N/A | N/A | 9,10 | 8,11 | 14,17 |
| 2JXGD4 | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 2KED4H | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15,2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 2RTGTW | GlobalFiler Express | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15,2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | | 29.2,30.2 | 9,10 | 8,11 | 14,17 | |
| 2YCR2Q | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|------------------------------|---------|---------|------|-------|-------|-------|
| 2YYYLQ | Identifiler® Plus, MiniFiler | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 37QTYF | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 3APG8A | Identifiler® + | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 3B6D2U | PowerPlex® HS | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 3E8ARP | Identifiler® Plus, MiniFiler | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 3H39X8 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 3MCLGR | PowerPlex® 16 HS | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |

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

Item 2 - STR Results

| | | | | | | | |
|--------|------------------------------|---------|---------|------|-------|-------|-------|
| 3N84G8 | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 3UTYHB | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 3W34VZ | Identifiler® Plus, MiniFiler | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 42UQA7 | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 436HBA | Identifiler® | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 49EKRW | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 4AQJJK | PowerPlex® HS | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|------|-------|-------|-------|
| 4EKGCW | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 4FRP8B | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 4JX44G | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 4LXAK8 | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 4NKXW8 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 4QDW2X | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 4ZLC6K | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|------------------------------|---------|---------|------|-------|-------|-------|
| 64EX6M | Identifiler® Plus, MiniFiler | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 64FJW9 | Profiler® Plus | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | | 15,17 |
| | | | 28,31.2 | | X,Y | | 20,21 |
| | | | | | | 14,17 | |
| 6649YZ | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 68WVZ4 | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 6ALGED | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 6JL2M8 | Identifiler Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 6LBCH7 | Identifiler® | | | | | | |
| | 2 | N/A | 23,25 | N/A | 15,16 | 11,12 | 9,11 |
| | | 11,16 | N/A | N/A | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | N/A | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| | | N/A | N/A | N/A | | | |

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

Item 2 - STR Results

| | | | | | | | |
|--------|--|---------|---------|-------|-------|-------|-------|
| 6LWUPL | PowerPlex® 16 HS | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 6N2H8X | Identifiler® Plus, Profiler® Plus, MiniFiler | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 6NF3LZ | PowerPlex® Fusion | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |
| 6NNQHM | Identifiler Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 6NZLPL | Identifiler® Direct | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 6QPXG6 | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 6QQNRU | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|-------------------------------|---------|---------|-----------|-------|-------|-------|
| 6RKJ8B | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 6TYV3A | Globalfiler | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | 11,12 | 20,21 |
| | | | | 29.2,30.2 | 9,10 | 8,11 | 14,17 |
| 766AFR | Identifiler® Identifiler Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 769YTP | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 7AEQQ2 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 7C8KKP | Identifiler® Direct | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 7MP66L | Identifiler® Direct | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

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

Item 2 - STR Results

| | | | | | | | |
|--------|-----------------------|---------|---------|-------|-------|-------|-------|
| 7QMQRH | PowerPlex® HS, Fusion | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 7TCQC9 | PowerPlex® 21 | | | | | | |
| | 2 | 11,15 | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 7TPKGM | Identifiler® Plus | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | - | 9,10 | 8,11 | 14,17 |
| 7Y6RF8 | PowerPlex® 21 | | | | | | |
| | 2 | 11,15 | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 84PBV3 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 87CVXQ | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 887XA9 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|------------------------------|---------|-----------|-------|-------|-------|-------|
| 8AV6U6 | Identifiler® Plus, MiniFiler | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | | 14,17 |
| 8F4EAD | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | | 14,17 |
| 8HAY2K | Fusion | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | | 14,17 |
| 8HP839 | Globalfiler | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | 11,12 | 20,21 |
| | | | 29.2,30.2 | 9,10 | 8,11 | | 14,17 |
| 8MGMEL | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | | 14,17 |
| 8NA8FZ | PowerPlex® Fusion | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | NT | 9,10 | 8,11 | | 14,17 |
| 8RRKZM | PowerPlex® 16 HS | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | | 14,17 |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|-------|-------|-------|-------|
| 8TJNM3 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 8W4FUY | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 8W6GQH | PowerPlex® 16 HS | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 8XM6DJ | PowerPlex® Fusion | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 8YR8Q2 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 973PHZ | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 98679J | PowerPlex® 16 HS | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|-----------------------|---------|---------|-------|-------|-------|-------|
| 9AUFFZ | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 9B6ECU | PowerPlex® Fusion, HS | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 9C2QEN | Identifiler® Direct | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 9CZZ4Z | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 9F2YKK | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 9G8HCZ | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 9JV6VF | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

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

Item 2 - STR Results

| | | | | | | | |
|--------|------------------------------|---------|-----------|-------|-------|-------|-------|
| 9L8V76 | PowerPlex® 21 system kit | | | | | | |
| | 2 | 11,15 | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 9QVGTX | Globalfiler | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | 11,12 | 20,21 |
| | | | 29.2,30.2 | 9,10 | 8,11 | 14,17 | |
| 9TH76X | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 9UVQYT | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 9ZKB3A | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| A8ZDMG | Identifiler® Plus, MiniFiler | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| AAKCTY | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|--|---------|---------|-----------|-------|-------|-------|
| AAPFV | Identifiler® Direct, PowerPlex® ESX 17 | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | 11,12 | 20,21 |
| | | | | 29.2,30.2 | 9,10 | 8,11 | 14,17 |
| AGR2C | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| AHFAJ8 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| AKP8YB | Identifiler Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| ALH2YZ | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| AR7JGH | PP16 HS | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| ATZ8XR | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |

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

Item 2 - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|------|-------|-------|-------|
| AZEFW9 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| B236PZ | Identifiler® Plus | | | | | | |
| | 2 | n/a | 23,25 | n/a | 15,16 | 11,12 | 9,11 |
| | | 11,16 | n/a | n/a | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | n/a | X,Y | 11,12 | 20,21 |
| | | n/a | n/a | 9,10 | 8,11 | 14,17 | |
| B2HLKT | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| B8GMFH | PowerPlex® 16 HS | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| B8UE4T | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| BAKKM4 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| BDZ3Q8 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|-----------|-------|-------|-------|
| BEUKZV | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| BF32NT | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| BJLU42 | PowerPlex® HS | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| BN2DDV | Globalfiler | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | 11,12 | 20,21 |
| | | | | 29.2,30.2 | 9,10 | 8,11 | 14,17 |
| BQN2PW | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| BTYPG9 | Identifiler® | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| C3ECCT | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|---------------------|---------|---------|------|-------|-------|-------|
| C8CPHR | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| CB9DWD | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| CE9GWM | Identifiler® Direct | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | - | - | - | 9,10 | 8,11 | 14,17 | |
| CHQQUQ | Identifiler® Plus | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | - | - | - | 9,10 | 8,11 | 14,17 | |
| CHTCRR | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| CL94FZ | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| CRF9TT | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|--------------------|---------|---------|--|-------|-------|-------|
| D3DT9Q | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| D9ZF6G | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| DCE82C | PowerPlex® 16, 18D | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| DCWD8T | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| DDCDQH | PowerPlex® 16 HS | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| DNTD37 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| DQZLEC | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|--|---------|---------|------|-------|-------|-------|
| DUYVHY | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| DW2XYM | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| DXJTWG | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| EBQW2B | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| EC9CVB | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| EE3V7P | Identifiler® Identifiler Plus, MiniFiler | | | | | | |
| | 2 | NT | 23,25 | NT | 15,16 | 11,12 | 9,11 |
| | | 11,16 | NT | NT | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | NT | X,Y | 11,12 | 20,21 |
| | NT | NT | NT | 9,10 | 8,11 | 14,17 | |
| EH3CCR | Identifiler® Plus | | | | | | |
| | 2 | NA | 23,25 | NA | 15,16 | 11,12 | 9,11 |
| | | 11,16 | NA | NA | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | NA | X,Y | 11,12 | 20,21 |
| | NA | NA | NA | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|------------------------|---------|---------|-----------|-------|-------|-------|
| EP326C | PowerPlex® 16HS, ESX17 | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | 29.2,30.2 | 9,10 | 8,11 | 14,17 |
| EU3LCM | Identifiler Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| EUYDVM | Identifiler® Plus | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | - | 9,10 | 8,11 | 14,17 |
| EW2B7F | PowerPlex® HS | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| EXFL9E | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| EZ34FE | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| F6UQM8 | Identifiler® | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | - | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|------|-------|-------|-------|
| F7NF48 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| FGJRZT | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| FHHXCL | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| FQWMAU | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| G3NNB2 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| G4DVTC | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| G6L7CA | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

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

Item 2 - STR Results

| | | | | | | | |
|--------|--|---------|---------|---|-------|-------|-------|
| GECRH8 | Identifiler® | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | - | 9,10 | 8,11 | 14,17 |
| GPAP68 | Identifiler® | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | - | 9,10 | 8,11 | 14,17 |
| GR3MQK | Identifiler® Plus, Profiler® Plus, MiniFiler | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| GTU7Q | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| H4RQP4 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| HAWPZU | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| HAXDLE | Identifiler® DIRECT | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|--|---------|-----------|-------|-------|-------|-------|
| HAXFBH | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| HET3V7 | Identifiler® | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | 9,10 | 8,11 | 14,17 | |
| HFNUVJ | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| HKEDQM | Identifiler® Direct, PowerPlex® ESX 17 | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | 11,12 | 20,21 |
| | | | 29.2,30.2 | 9,10 | 8,11 | 14,17 | |
| HMLFTK | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| HPTW33 | Identifiler® Plus | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | 9,10 | 8,11 | 14,17 | |
| HU8JTZ | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|---------------------|---------|---------|------|-------|-------|-------|
| HVGKX8 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| HVUALR | Identifiler® Plus | | | | | | |
| | 2 | NT | 23,25 | NT | 15,16 | 11,12 | 9,11 |
| | | 11,16 | NT | NT | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | NT | X,Y | 11,12 | 20,21 |
| | | NT | NT | NT | 9,10 | 8,11 | 14,17 |
| HXX3JW | Identifiler® Direct | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| HYHHFM | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| J2C3CH | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| J2Z4H9 | Identifiler® Plus | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | - | 9,10 | 8,11 | 14,17 |
| J628AV | Identifiler® Direct | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|-------|-------|-------|-------|
| JAV7L7 | Identifiler® | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | - | 9,10 | 8,11 | 14,17 |
| JFECFR | PowerPlex® Fusion | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| JPR8RD | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| JRAHCB | Identifiler® Plus | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | - | 9,10 | 8,11 | 14,17 |
| JT62FX | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| JW3JFB | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| JXF9JM | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|---------------------|---------|---------|------|-------|-------|-------|
| K42NKY | Identifiler® | | | | | | |
| | 2 | N/A | 23,25 | N/A | 15,16 | 11,12 | 9,11 |
| | | 11,16 | N/A | N/A | 8,12 | 12,12 | 15,17 |
| | | 15,2,16 | 28,31.2 | N/A | X,Y | 11,12 | 20,21 |
| | | N/A | N/A | N/A | 9,10 | 8,11 | 14,17 |
| K8XC4R | Profiler® Plus | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | | 15,17 |
| | | | 28,31.2 | | X,Y | | 20,21 |
| | | | | | | 14,17 | |
| K9CPWV | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15,2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| K9RXUX | Identifiler® Direct | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15,2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| K9YTTC | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15,2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| KA4TGP | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15,2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| KALNZC | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15,2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|-----------------------|---------|---------|-------|-------|-------|-------|
| KAMLB8 | Essplex Plus | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | | |
| | | 11,16 | 12,15 | 19,22 | | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | | 20,21 |
| | | | | 9,10 | | 14,17 | |
| KBH2M6 | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |
| KBH6D9 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| KDB2UF | PowerPlex® HS, Fusion | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |
| KE7FKE | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| KJYNPL | PowerPlex® | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |
| KKLEHD | Identifiler® Direct | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | - | - | - | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|------------------------------|---------|---------|------|-------|-------|-------|
| KPDZL | Identifiler Plus | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | - | 9,10 | 8,11 | 14,17 |
| KU3WCY | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| KXH8NG | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| L2TLM8 | Identifiler® Plus, MiniFiler | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| L4VTEY | Identifiler® | | | | | | |
| | 2 | N/A | 23,25 | N/A | 15,16 | 11,12 | 9,11 |
| | | 11,16 | N/A | N/A | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | N/A | X,Y | 11,12 | 20,21 |
| | | N/A | N/A | N/A | 9,10 | 8,11 | 14,17 |
| L6WDV8 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| L9PLTM | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|--|---------|---------|-----------|-------|-------|-------|
| L9U6HB | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| LA7T3B | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| LAR3H8 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| LEHMWM | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| LLY7AU | Identifiler® Identifiler Plus, MiniFiler | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| LPETQK | GlobalFiler | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | 11,12 | 20,21 |
| | | | | 29.2,30.2 | 9,10 | 8,11 | 14,17 |
| LPYEGP | Identifiler® | | | | | | |
| | 2 | N/A | 23,25 | N/A | 15,16 | 11,12 | 9,11 |
| | | 11,16 | N/A | N/A | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | N/A | X,Y | 11,12 | 20,21 |
| | | N/A | N/A | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|--------------------------|---------|---------|-------|-------|-------|-------|
| LR6XJR | PowerPlex® Fusion | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| LR6Z9W | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| LTU7NM | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| LTZHAX | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| LUGJLZ | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| LWHQKJ | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| M4XRG8 | PowerPlex® Fusion Direct | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|--|-------|-------|-------|
| M98P9Z | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| MAKJQL | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| MD6BZ3 | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| MDLME2 | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| MN9GZW | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| MP33R3 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| MXBWKA | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |

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

Item 2 - STR Results

| | | | | | | | |
|--------|----------------------------|---------|---------|-------|-------|-------|-------|
| MYKVQC | Investigator ESS PLEX Plus | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | | |
| | | 11,16 | 12,15 | 19,22 | | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | | 20,21 |
| | | | | | 9,10 | | 14,17 |
| MZUYKM | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| N6Y9ZU | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| N7TY7A | PowerPlex® | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| NDW9Q4 | PowerPlex® FUSION | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| NFNXU3 | Identifiler Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| NGGTC6 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |

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

Item 2 - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|------|-------|-------|-------|
| NLPBED | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| NTCU69 | PowerPlex® 16 HS | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| NTRPF2 | Identifiler Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| NUNNRZ | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| NW9MUW | Identifiler® | | | | | | |
| | 2 | N/A | 23,25 | N/A | 15,16 | 11,12 | 9,11 |
| | | 11,16 | N/A | N/A | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | N/A | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| P2J4WX | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| P2KQMK | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|--------------------------|---------|---------|-------|-------|-------|-------|
| P7QNNC | Identifiler® , MiniFiler | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| PDBNEA | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| PHNBBZ | PowerPlex® Fusion | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| PJXFL4 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| PJYFKH | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| PKT2BN | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| PPL3FM | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|-----------------------------|---------|---------|------|-------|-------|-------|
| PTP2QF | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| PUJLGL | Identifiler Plus, MiniFiler | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| Q2QU8L | COfiler® and Profiler Plus® | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | | 15,17 |
| | | | 28,31.2 | | X,Y | | 20,21 |
| | | | | | | | 14,17 |
| QDT7QU | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| QFDZLA | Identifiler® Plus | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | - | - | - | 9,10 | 8,11 | 14,17 | |
| QGEGBU | Identifiler® | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | - | - | - | 9,10 | 8,11 | 14,17 | |
| QK8ZGW | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

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

Item 2 - STR Results

| | | | | | | | |
|--------|----------------------------------|---------|---------|-----------|-------|-------|-------|
| QKRHYK | PowerPlex® ESIFast | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | | |
| | | 11,16 | 12,15 | 19,22 | | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | | 20,21 |
| | | | | 29.2,30.2 | 9,10 | | 14,17 |
| QP4C74 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| QPXDHK | Identifiler® | | | | | | |
| | 2 | N/A | 23,25 | N/A | 15,16 | 11,12 | 9,11 |
| | | 11,16 | N/A | N/A | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | N/A | X,Y | 11,12 | 20,21 |
| | | N/A | N/A | N/A | 9,10 | 8,11 | 14,17 |
| QQYU86 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| QW36RH | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| R3MFQ6 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| R4URE9 | Identifiler® Plus, PowerPlex® HS | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|--------------------------|---------|---------|-------|-------|-------|-------|
| RAL689 | PowerPlex® 16 HS, Fusion | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| RBGGA4 | Identifiler® Direct | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| RFRLTQ | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| RGM98F | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| RH3GJP | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| RR4X4Z | Identifiler® Direct | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| RTHBYN | PowerPlex® HotStart | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |

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

Item 2 - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|------|-------|-------|-------|
| RVPNKW | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| T6EUWU | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| TBF6UL | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| TBF9C4 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| TBYWX6 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| TG27ZQ | ID+ | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| THDYNE | Identifiler Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|------|-------|-------|-------|
| TM7XDV | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| TMNVML | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| TPCLFD | Identifiler® Plus | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| TTTWLV | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| TVZWZA | Identifiler® Plus | | | | | | |
| | 2 | NA | 23,25 | NA | 15,16 | 11,12 | 9,11 |
| | | 11,16 | NA | NA | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | NA | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| TZC62E | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| TZRBG4 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|----------------------|---------|---------|-------|-------|-------|-------|
| U9MJRM | PowerPlex® 16 HS | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| UET3ZN | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| UGKACX | PowerPlex® Fusion | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| UJ9LAH | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| UJKNC9 | Identifiler® Plus | | | | | | |
| | 2 | n/a | 23,25 | n/a | 15,16 | 11,12 | 9,11 |
| | | 11,16 | n/a | n/a | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | n/a | X,Y | 11,12 | 20,21 |
| | | n/a | n/a | n/a | 9,10 | 8,11 | 14,17 |
| ULVALH | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| UM6837 | Identifiler® ID Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|-------------------|---------|-----------|-------|-------|-------|-------|
| UNFHAA | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| UW7BRV | GlobalFiler | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | 11,12 | 20,21 |
| | | | 29.2,30.2 | 9,10 | 8,11 | 14,17 | |
| UXQB9K | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| UY2BB7 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| UYE22C | Identifiler® Plus | | | | | | |
| | 2 | n/t | 23,25 | n/t | 15,16 | 11,12 | 9,11 |
| | | 11,16 | n/t | n/t | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | n/t | X,Y | 11,12 | 20,21 |
| | | | n/t | 9,10 | 8,11 | 14,17 | |
| UZRNLK | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| V47HYN | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|---------------------|---------|---------|------|-------|-------|-------|
| V9ZLV2 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| VB4EFY | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| VCYXJL | Identifiler® Direct | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| VDTNPZ | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| VE2XFC | Identifiler® Plus | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| VFJP6P | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| VKB7AM | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|------------------------------|---------|---------|------|-------|-------|-------|
| VNWMUT | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| VP7QAD | Identifiler® Plus | | | | | | |
| | 2 | NT | 23,25 | NT | 15,16 | 11,12 | 9,11 |
| | | 11,16 | NT | NT | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | NT | X,Y | 11,12 | 20,21 |
| | | NT | NT | 9,10 | 8,11 | 14,17 | |
| VQFTZH | PowerPlex® 16 HS | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| VUEA97 | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| VWLK9F | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| VWLPJH | PowerPlex® HS | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| VX2YKV | Identifiler® Plus, MiniFiler | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|--------------------------|---------|---------|-------|-------|-------|-------|
| VXZ3D7 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| VZPD6Y | PowerPlex® HS | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| W2CEJL | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| W382XB | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| W86AT7 | PowerPlex® 16 HS, Fusion | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| W9GYZP | Identifiler® Plus | | | | | | |
| | 2 | NA | 23,25 | NA | 15,16 | 11,12 | 9,11 |
| | | 11,16 | NA | NA | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | NA | X,Y | 11,12 | 20,21 |
| | | NA | NA | NA | 9,10 | 8,11 | 14,17 |
| WACKRV | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

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

Item 2 - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|------|-------|-------|-------|
| WCT3DK | Identifiler® Plus | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | - | 9,10 | 8,11 | 14,17 |
| WDMTJZ | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| WGBEGG | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| WL8TBX | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| WN82GT | Identifiler Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| WNDGPN | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| WR8BMP | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|-----------------------------------|---------|---------|-----------|-------|-------|-------|
| WYRCU2 | PowerPlex® Fusion, 16 HS y ESX 17 | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| XAK9DE | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| XAQ9MV | PowerPlex® Fusion, 16 HS | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| XBEU6K | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| XEHFDD | Identifiler® Plus, PowerPlex® 18D | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| XFTE8Z | PowerPlex® 16 HS | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| XHXBK2 | GlobalFiler Express | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | | | 29.2,30.2 | 9,10 | 8,11 | 14,17 |

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

Item 2 - STR Results

| | | | | | | | |
|--------|----------------------------------|---------|---------|-------|-------|-------|-------|
| XJBH94 | ID+ | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| XK6GVG | Identifiler® Plus, PowerPlex® 21 | | | | | | |
| | 2 | 11,15 | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| XMUTT2 | Identifiler® Direct | | | | | | |
| | 2 | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | - | 9,10 | 8,11 | 14,17 |
| XN6P3C | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| XRMU72 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| XV6YX6 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| XVNVYJ | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |

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

Item 2 - STR Results

| | | | | | | | |
|--------|--------------------------------------|---------|---------|-------|-------|-------|-------|
| XWD3GU | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| XXNAH3 | Identifiler® Plus, PowerPlex® Fusion | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| Y27JDL | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| Y6BD2H | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| Y72JJU | Identifiler® Identifiler Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| YDLHA3 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| YEULXY | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 2 - STR Results

| | | | | | | | |
|--------|---------------------|---------|---------|-------|-------|-------|-------|
| YFPG48 | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| YFQ8EW | Identifiler® Direct | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| YLRHA4 | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| YQ3QJK | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| YR4CLR | PowerPlex® Fusion | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| YRJLN2 | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| YULKH7 | Identifiler® Plus | | | | | | |
| | 2 | NA | 23,25 | NA | 15,16 | 11,12 | 9,11 |
| | | 11,16 | NA | NA | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | NA | X,Y | 11,12 | 20,21 |
| | | NA | NA | NA | 9,10 | 8,11 | 14,17 |

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

Item 2 - STR Results

| | | | | | | | |
|--------|----------------------------------|---------|---------|-----------|-------|-------|-------|
| YYGDUA | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| YYHEC2 | Identifiler® Plus, PowerPlex® HS | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| YZYCYX | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| Z2KPR2 | Identifiler® Plus, MiniFiler | | | | | | |
| | 2 | N/A | 23,25 | N/A | 15,16 | 11,12 | 9,11 |
| | | 11,16 | N/A | N/A | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | N/A | X,Y | 11,12 | 20,21 |
| | | N/A | N/A | N/A | 9,10 | 8,11 | 14,17 |
| Z4QVMB | Identifiler® | | | | | | |
| | 2 | N/A | 23,25 | N/A | 15,16 | 11,12 | 9,11 |
| | | 11,16 | N/A | N/A | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | N/A | X,Y | 11,12 | 20,21 |
| | | N/A | N/A | N/A | 9,10 | 8,11 | 14,17 |
| ZADMU4 | PowerPlex® 16 | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| ZGD8WY | GlobalFiler | | | | | | |
| | 2 | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | 11,12 | 20,21 |
| | | | | 29.2,30.2 | 9,10 | 8,11 | 14,17 |

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

Item 2 - STR Results

| | | | | | | | |
|--------|---------------------|---------|---------|--|-------|-------|-------|
| ZGHKEU | Identifiler® DIRECT | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| ZGYLGW | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| ZGZJNK | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| ZH8YWC | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| ZH9MBG | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| ZN2VNN | Identifiler® | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| ZRDQHZ | Identifiler® Plus | | | | | | |
| | 2 | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |

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

Item 2 - STR Results

| | | | | | | | |
|--------|------------------|-------|---------|--|-------|-------|-------|
| ZVHGMU | PowerPlex® 16 HS | | | | | | |
| | 2 | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------|-------|---------|-----|---------|-------------|-------|
| 23RCU9 | Identifiler® Plus | | | | | | |
| | 3 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | - | - | - | 9,3,9.3 | 8,8 | 16,16 |
| 2DD7G3 | Identifiler® Plus | | | | | | |
| | 3 | n/a | 17,22 | n/a | 16,16 | 11,12 | 9,13 |
| | | 12,17 | n/a | n/a | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | n/a | X,X | 10,14,[15] | 22,23 |
| | | n/a | n/a | n/a | 9,3,9.3 | 8,8 | 16,16 |
| 2GBUQH | Identifiler® | | | | | | |
| | 3 | N/A | 17,22 | N/A | 16,16 | 11,12 | 9,13 |
| | | 12,17 | N/A | N/A | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | N/A | X,X | 10,14 | 22,23 |
| | | N/A | N/A | N/A | 9,3,9.3 | 8,8 | 16,16 |
| 2JXGD4 | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,13,14,15 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |
| 2KED4H | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 2RTGTW | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 2YCR2Q | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|------------------------------|-------|---------|---------|-------|----------|-------|
| 2YYLQ | Identifiler® Plus, MiniFiler | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 37QTYF | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 3APG8A | Identifiler® + | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| 3B6D2U | PowerPlex® HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | | 10,11 | 12 | 9.3 | 8 | 16 |
| 3E8ARP | Identifiler® Plus, MiniFiler | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 3H39X8 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 3MCLGR | PowerPlex® 16 HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | | 10,11 | 12 | 9.3 | 8 | 16 |

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

Item 3 - STR Results

| | | | | | | | |
|--------|------------------------------|-------|---------|---------|---------|-------|-------|
| 3N84G8 | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | 10,11 | 12,12 | | 9,3,9.3 | 8,8 | 16,16 |
| 3UTYHB | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| 3W34VZ | Identifiler® Plus, MiniFiler | | | | | | |
| | 3 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | - | - | - | 9,3,9.3 | 8,8 | 16,16 |
| 42UQA7 | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| 436HBA | Identifiler® | | | | | | |
| | 3 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X | 10,14 | 22,23 |
| | | - | - | - | 9,3 | 8 | 16 |
| 49EKRW | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| 4AQJKK | PowerPlex® HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9,3 | 8 | 16 |

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

Item 3 - STR Results

| | | | | | | | |
|---------|-------------------------|-------|---------|---------|-------|------------|-------|
| 4EKG CW | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,15 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| 4FRP8B | Identifiler®, MiniFiler | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 4JX44G | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | 9.3 | 8 | 16 | |
| 4LXAK8 | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 4NKXW8 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,(15) | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| 4QDW2X | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | 9.3 | 8 | 16 | |
| 4ZLC6K | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,(15) | 22,23 |
| | | | | 9.3 | 8 | 16 | |

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

Item 3 - STR Results

| | | | | | | | |
|--------|------------------------------|-------|---------|---------|---------|-------|-------|
| 64EX6M | Identifiler® Plus, MiniFiler | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 64FJW9 | Profiler® Plus | | | | | | |
| | 3 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | | 13,16 |
| | | | 28,32.2 | | X,X | | 22,23 |
| | | | | | | 16,16 | |
| 6649YZ | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| 68WVZ4 | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| 6ALGED | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 6JL2M8 | Identifiler[sic] Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| 6LBCH7 | Identifiler® | | | | | | |
| | 3 | N/A | 17,22 | N/A | 16,16 | 11,12 | 9,13 |
| | | 12,17 | N/A | N/A | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | N/A | X,X | 10,14 | 22,23 |
| | | N/A | N/A | N/A | 9.3,9.3 | 8,8 | 16,16 |

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------|---|---------|---------|---------|------------|-------|
| 6LWUPL | PowerPlex® 16 HS | 3 | | | 16 | 11,12 | 9,13 |
| | | | 12,17 | | 12,13 | 9 | 13,16 |
| | | | | 28,32.2 | X | 10,14 | 22,23 |
| | | | 10,11 | 12 | 9.3 | 8 | 16 |
| 6N2H8X | Identifiler® Plus | 3 | | 17,22 | 16 | 11,12 | 9,13 |
| | | | 12,17 | | 12,13 | 9 | 13,16 |
| | | | 12,13 | 28,32.2 | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| 6NF3LZ | PowerPlex® Fusion | 3 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 |
| | | | 12,17 | 13,15 | 19,20 | 12,13 | 9 |
| | | | 12,13 | 28,32.2 | 15,16 | X | 10,14 |
| | | | 10,11 | 12 | 9.3 | 8 | 16 |
| 6NNQHM | Identifiler Plus | 3 | | 17,22 | 16 | 11,12 | 9,13 |
| | | | 12,17 | | 12,13 | 9 | 13,16 |
| | | | 12,13 | 28,32.2 | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| 6NZLPL | Profiler® Plus | 3 | | | 16,16 | 11,12 | 9,13 |
| | | | 12,17 | | 12,13 | | 13,16 |
| | | | | 28,32.2 | X,X | | 22,23 |
| | | | | | | | 16,16 |
| 6QPXG6 | Identifiler® | 3 | | 17,22 | 16 | 11,12 | 9,13 |
| | | | 12,17 | | 12,13 | 9 | 13,16 |
| | | | 12,13 | 28,32.2 | X | 10,14,[15] | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| 6QQNRU | Identifiler® Plus | 3 | | 17,22 | 16,16 | 11,12 | 9,13 |
| | | | 12,17 | | 12,13 | 9,9 | 13,16 |
| | | | 12,13 | 28,32.2 | X,X | 10,14,15 | 22,23 |
| | | | | | 9.3,9.3 | 8,8 | 16,16 |

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------------------|---------|---------|---------|---------|-------------|-------|
| 6RKJ8B | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 6TYV3A | Globalfiler | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | | | 14,28.2 | 9.3,9.3 | 8,8 | 16,16 |
| 766AFR | Identifiler® Identifiler Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 769YTP | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 7AEQQ2 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 7C8KKP | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 7MP66L | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,[INC] | 22,23 |
| | | | | 9.3 | 8 | 16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|---------|---------|-------|-------|
| 7QMQRH | PowerPlex® HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| 7TCQC9 | PowerPlex® 21 | | | | | | |
| | 3 | 15,15.3 | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | 10,11 | 12,12 | | 9.3,9.3 | 8,8 | 16,16 |
| 7TPKGM | Identifiler® Plus | | | | | | |
| | 3 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X | 10,14 | 22,23 |
| | | - | - | - | 9.3 | 8 | 16 |
| 7Y6RF8 | PowerPlex® 21 | | | | | | |
| | 3 | 15,15.3 | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | 10,11 | 12,12 | | 9.3,9.3 | 8,8 | NR |
| 84PBV3 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| 87CVXQ | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| 887XA9 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|------------------------------|---------|---------|-------|-------|----------|-------|
| 8AV6U6 | Identifiler® Plus, MiniFiler | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| <hr/> | | | | | | | |
| 8F4EAD | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| <hr/> | | | | | | | |
| 8HAY2K | PowerPlex® 16 HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| <hr/> | | | | | | | |
| 8HP839 | Globalfiler | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| <hr/> | | | | | | | |
| 8MGMEL | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 |
| <hr/> | | | | | | | |
| 8NA8FZ | PowerPlex® Fusion | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| <hr/> | | | | | | | |
| 8RRKZM | PowerPlex® 16 HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| <hr/> | | | | | | | |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------|-------|---------|---------|-------|-------|-------|
| 8TJNM3 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 8W4FUY | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| 8W6GQH | PowerPlex® 16 HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| 8XM6DJ | PowerPlex® 16 HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| 8YR8Q2 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| 973PHZ | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 98679J | PowerPlex® 16 HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|-----------------------|---------|---------|---------|---------|-------------|-------|
| 9AUFFZ | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14,15 | 22,23 |
| | | 10,11 | 12,12 | | 9,3,9.3 | 8,8 | 16,16 |
| 9B6ECU | PowerPlex® Fusion, HS | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| 9C2QEN | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,[INC] | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 9CZZ4Z | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| 9F2YKK | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,[INC] | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 9G8HCZ | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 9JV6VF | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|------------------------------|---------|---------|---------|---------|----------|-------|
| 9L8V76 | PowerPlex® 21 system kit | | | | | | |
| | 3 | 15,15.3 | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,15 | 22,23 |
| | | 10,11 | 12,12 | | 9,3,9.3 | 8,8 | 16,16 |
| 9QVGTX | Globalfiler | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | | 14,28.2 | 9,3,9.3 | 8,8 | 16,16 | |
| 9TH76X | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| 9UVQYT | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| A8ZDMG | Identifiler® Plus, MiniFiler | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| AAKCTY | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| AAPPFV | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------|-------|---------|-----|-------|------------|-------|
| AGRH2C | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,[15] | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| AHFAJ8 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| AKP8YB | Identifiler Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| ALH2YZ | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| AR7JGH | PP16 HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| ATZ8XR | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| AZEFW9 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------|-------|---------|-----|---------|-------|-------|
| B236PZ | Identifiler® Plus | | | | | | |
| | 3 | n/a | 17,22 | n/a | 16,16 | 11,12 | 9,13 |
| | | 12,17 | n/a | n/a | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | n/a | X,X | 10,14 | 22,23 |
| | | n/a | n/a | n/a | 9,3,9.3 | 8,8 | 16,16 |
| B2HLKT | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |
| B8GMFH | PowerPlex® 16 HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| B8UE4T | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| BDZ3Q8 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| BEUKZV | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |
| BF32NT | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|--------------------------|---------|---------|---------|---------|-------|-------|
| BJLU42 | PowerPlex® HS, MiniFiler | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| BN2DDV | Globalfiler | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | | | 14,28.2 | 9.3,9.3 | 8,8 | 16,16 |
| BQN2PW | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| BTYPG9 | Identifiler® | | | | | | |
| | 3 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| C3ECCT | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| C8CPHR | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| CE9GWM | Identifiler® Plus | | | | | | |
| | 3 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------|-------|---------|---------|---------|----------|-------|
| CHQQUQ | Identifiler® Plus | | | | | | |
| | 3 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | - | - | - | 9,3,9,3 | 8,8 | 16,16 |
| CHTCRR | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9,3 | 8 | 16 | |
| CL94FZ | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9,3 | 8 | 16 | |
| CRF9TT | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14,15 | 22,23 |
| | 10,11 | 12 | | 9,3 | 8 | 16 | |
| D3DT9Q | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | | | 9,3 | 8 | 16 | |
| D9ZF6G | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9,3 | 8,8 | 16,16 | |
| DCE82C | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9,3 | 8 | 16 | |

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------|-------|---------|---------|-------|-------|-------|
| DCWD8T | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| DDCDQH | PowerPlex® 16 HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | 9.3 | 8 | 16 | |
| DNTD37 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| DQZLEC | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| DUYVHY | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| DW2XYM | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| DXJTWG | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|--|---------|---------|---------|---------|-------------|-------|
| EBQW2B | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| EC9CVB | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | 9.3 | 8 | 16 | |
| EE3V7P | Identifiler® Identifiler Plus, MiniFiler | | | | | | |
| | 3 | NT | 17,22 | NT | 16,16 | 11,12 | 9,13 |
| | | 12,17 | NT | NT | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | NT | X,X | 10,14,[15]* | 22,23 |
| | | NT | NT | NT | 9.3,9.3 | 8,8 | 16,16 |
| EH3CCR | Identifiler® Plus | | | | | | |
| | 3 | NA | 17,22 | NA | 16 | 11,12 | 9,13 |
| | | 12,17 | NA | NA | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | NA | X | 10,14 | 22,23 |
| | | NA | NA | NA | 9.3 | 8 | 16 |
| EP326C | PowerPlex® 16HS, ESX17 | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | 10,11 | 12,12 | 14,28.2 | 9.3,9.3 | 8,8 | 16,16 |
| EU3LCM | Identifiler Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| EUVDVM | Identifiler® Plus | | | | | | |
| | 3 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | - | - | - | 9.3,9.3 | 8,8 | 16,16 |

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------|-------|---------|---------|-------|------------|-------|
| EW2B7F | PowerPlex® HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| EXFL9E | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| EZ34FE | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| F7NF48 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,[15] | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| FGJRZT | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| FHHXCL | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| G3NNB2 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------|-------|---------|---------|-------|-------|-------|
| G4DVTC | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3 | 8 | 16 | |
| G6L7CA | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| GR3MQK | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9,3 | 8 | 16 | |
| GTU7Q | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| H4RQP4 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9,3 | 8 | 16 | |
| HAWPZU | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9,3 | 8 | 16 | |
| HAXDLE | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9,3 | 8 | 16 | |

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------|-------|---------|---------|-------|----------|-------|
| HAXFBH | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| HFNUVJ | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| HKEDQM | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| HMLFTK | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| HPTW33 | Identifiler® Plus | | | | | | |
| | 3 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X | 10,14 | 22,23 |
| | | - | - | - | 9.3 | 8 | 16 |
| HU8JTZ | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| HVGKX8 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |

TABLE 2

| WebCode | Item | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|-----------------------------|-------------------|--|--|---------------------------------------|--|-------------------------------------|--------------------------------|
| Item 3 - STR Results | | | | | | | |
| HVUALR | Identifiler® Plus | | | | | | |
| | 3 | NT | 17,22 | NT | 16,16 | 11,12 | 9,13 |
| | | 12,17 | NT | NT | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | NT | X,X | 10,14 | 22,23 |
| | | NT | NT | NT | 9,3,9.3 | 8,8 | 16,16 |
| HXX3JW | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| HYHHFM | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |
| J2C3CH | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| J2Z4H9 | Identifiler® Plus | | | | | | |
| | 3 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X | 10,14 | 22,23 |
| | | - | - | - | 9.3 | 8 | 16 |
| J628AV | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |
| JFECFR | PowerPlex® Fusion | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | 10,11 | 12,12 | | 9,3,9.3 | 8,8 | 16,16 |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|---------|---------|-------|-------|
| JPR8RD | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| JRAHCB | Identifiler® Plus | | | | | | |
| | 3 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X | 10,14 | 22,23 |
| | | - | - | - | 9.3 | 8 | 16 |
| JT62FX | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| JW3JFB | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| JXF9JM | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| K42NKY | Identifiler® | | | | | | |
| | 3 | N/A | 17,22 | N/A | 16,16 | 11,12 | 9,13 |
| | | 12,17 | N/A | N/A | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | N/A | X,X | 10,14 | 22,23 |
| | | N/A | N/A | N/A | 9,3,9.3 | 8,8 | 16,16 |
| K8XC4R | Profiler® Plus | | | | | | |
| | 3 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | | 13,16 |
| | | 28,32.2 | | X,X | | 22,23 | |
| | | | | | | 16,16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|---------|-------|-------|-------|
| K9CPWV | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| K9RXUX | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| K9YTTC | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| KA4TGP | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| KALNZC | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| KAMLB8 | Essplex Plus | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16,16 | | |
| | | 12,17 | 13,15 | 19,20 | | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | | 22,23 |
| | | | | 9.3,9.3 | | 16,16 | |
| KBH2M6 | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |

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

Item 3 - STR Results

| | | | | | | | |
|--------|-----------------------|---------|---------|---------|---------|---------------|-------|
| KBH6D9 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| KDB2UF | PowerPlex® HS, Fusion | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| KE7FKE | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| KJYNPL | PowerPlex® | | | | | | |
| | 3 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | 10,11 | 12,12 | | 9.3,9.3 | 8,8 | 16,16 |
| KKLEHD | Identifiler® Plus | | | | | | |
| | 3 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | - | - | - | 9.3 | 8 | 16 |
| KPDZLZ | Identifiler Plus | | | | | | |
| | 3 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | - | - | - | 9.3,9.3 | 8,8 | 16,16 |
| KU3WCY | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | [10],[14],15* | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|------------------------------|-------|---------|---------|---------|-------|-------|
| KXH8NG | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| L2TLM8 | Identifiler® Plus, MiniFiler | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| L4VTEY | Identifiler® | | | | | | |
| | 3 | N/A | 17,22 | N/A | 16,16 | 11,12 | 9,13 |
| | | 12,17 | N/A | N/A | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | N/A | X,X | 10,14 | 22,23 |
| | | N/A | N/A | N/A | 9.3,9.3 | 8,8 | 16,16 |
| L6WDV8 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| L9PLTM | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| L9U6HB | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| LA7T3B | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|--|---------|---------|---------|---------|------------|-------|
| LAR3H8 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| LEHMWM | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| LLY7AU | Identifiler® Identifiler Plus, MiniFiler | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| LPETQK | GlobalFiler | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | | 14,28.2 | 9.3,9.3 | 8,8 | 16,16 | |
| LPYEGP | Identifiler® | | | | | | |
| | 3 | N/A | 17,22 | N/A | 16,16 | 11,12 | 9,13 |
| | | 12,17 | N/A | N/A | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | N/A | X,X | 10,14 | 22,23 |
| | | N/A | N/A | N/A | 9.3,9.3 | 8,8 | 16,16 |
| LR6XJR | PowerPlex® Fusion | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| LR6Z9W | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,(15) | 22,23 |
| | | | | 9.3 | 8 | 16 | |

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

Item 3 - STR Results

| | | | | | | | |
|--------|-----------------------------|-------|---------|---------|---------|----------|-------|
| LTU7NM | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| LTZHAX | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | 10,11 | 12,12 | | 9.3,9.3 | 8,8 | 16,16 |
| LUGJLZ | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| LWHQKJ | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14,15 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| M4XRG8 | COfiler® and Profiler Plus® | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| M98P9Z | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| MAKJQL | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|----------------------------|---------|---------|---------|-------|------------|-------|
| MD6BZ3 | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| MDLME2 | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| MN9GZW | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,[15] | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| MP33R3 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| MXBWKA | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| MYKVQC | Investigator ESS PLEX Plus | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16,16 | | |
| | | 12,17 | 13,15 | 19,20 | | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | | 22,23 |
| | | | | 9,3,9.3 | | 16,16 | |
| MZUYKM | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |

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

Item 3 - STR Results

| | | | | | | | |
|--------|------------------------------|---------|---------|---------|-------|----------|-------|
| N6Y9ZU | Identifiler® Plus, MiniFiler | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| N7TY7A | PowerPlex® | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |
| NDW9Q4 | PowerPlex® FUSION | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | 10,11 | 12,12 | | 9,3,9.3 | 8,8 | 16,16 | |
| NFXU3 | Identifiler Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| NGGTC6 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| NLPBED | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14,15 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |
| NTCU69 | PowerPlex® 16 HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------|-------|---------|---------|---------|------------|-------|
| NTRPF2 | Identifiler Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| NUNNRZ | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,[15] | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| NW9MUW | Identifiler® | | | | | | |
| | 3 | N/A | 17,22 | N/A | 16,16 | 11,12 | 9,13 |
| | | 12,17 | N/A | N/A | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | N/A | X,X | 10,14 | 22,23 |
| | | N/A | N/A | N/A | 9.3,9.3 | 8,8 | 16,16 |
| P2J4WX | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| P2KQMK | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| P7QNNC | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| PDBNEA | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|-----------------------------|-------|---------|-----|-------|----------|-------|
| PHNBBZ | PowerPlex® 16 HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| PJXFL4 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| PJYFKH | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| PKT2BN | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| PPL3FM | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| PTP2QF | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| PUJLGL | Identifiler Plus, MiniFiler | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|-----------------------------|---------|---------|---------|---------|------------|-------|
| Q2QU8L | COfiler® and Profiler Plus® | | | | | | |
| | 3 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | | 13,16 |
| | | | 28,32.2 | | X,X | | 22,23 |
| | | | | | | | 16,16 |
| QDT7QU | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| QFDZLA | Identifiler® Plus | | | | | | |
| | 3 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | - | - | - | 9.3,9.3 | 8,8 | 16,16 |
| QGEGBU | Identifiler® | | | | | | |
| | 3 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14,15 | 22,23 |
| | | - | - | - | 9.3,9.3 | 8,8 | 16,16 |
| QK8ZGW | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,(15) | 22,23 |
| | | | | | 9.3,9.3 | 8,8 | 16,16 |
| QKRHYK | PowerPlex® ESIFast | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16,16 | | |
| | | 12,17 | 13,15 | 19,20 | | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | | 22,23 |
| | | | | 14,28.2 | 9.3,9.3 | | 16,16 |
| QP4C74 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | | | | 9.3 | 8 | 16 |

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

Item 3 - STR Results

| | | | | | | | |
|--------|----------------------------------|---------|---------|-------|---------|-------|-------|
| QPXDHK | Identifiler® | | | | | | |
| | 3 | N/A | 17,22 | N/A | 16,16 | 11,12 | 9,13 |
| | | 12,17 | N/A | N/A | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | N/A | X,X | 10,14 | 22,23 |
| | | N/A | N/A | N/A | 9,3,9.3 | 8,8 | 16,16 |
| QQYU86 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |
| QW36RH | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |
| R3MFQ6 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |
| R4URE9 | Identifiler® Plus, PowerPlex® HS | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9,3 | 8 | 16 |
| RAL689 | PowerPlex® 16 HS, Fusion | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9,3 | 8 | 16 |
| RBGGA4 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9,3 | 8 | 16 |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|---------------------|-------|---------|---------|---------|-------|-------|
| RFRLTQ | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| RGM98F | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| RH3GJP | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| RTHBYN | PowerPlex® HotStart | | | | | | |
| | 3 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | 10,11 | 12,12 | 9.3,9.3 | 8,8 | 16,16 |
| RVPNKW | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| T6EUWU | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| TBF6UL | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------|-------|---------|---------|-------|------------|-------|
| TBF9C4 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| TBYWX6 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| TG27ZQ | ID+ | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| THDYNE | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,(15) | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| TM7XDV | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| TMNVML | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| TPCLFD | Identifiler® Plus | | | | | | |
| | 3 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------|-------|---------|---------|---------|------------|-------|
| TTTWLV | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,[15] | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| TVZWZA | Identifiler® Plus | | | | | | |
| | 3 | NA | 17,22 | NA | 16,16 | 11,12 | 9,13 |
| | | 12,17 | NA | NA | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | NA | X,X | 10,14 | 22,23 |
| | | NA | NA | NA | 9,3,9.3 | 8,8 | 16,16 |
| TZC62E | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| TZRBG4 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| U9MJRM | PowerPlex® 16 HS | | | | | | |
| | 3 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | 10,11 | 12,12 | | 9,3,9.3 | 8,8 | 16,16 |
| UET3ZN | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| UGKACX | PowerPlex® 16 HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |

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

Item 3 - STR Results

| | | | | | | | |
|--------|----------------------|-------|---------|---------|---------|------------|-------|
| UJ9LAH | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| UJKNC9 | Identifiler® Plus | | | | | | |
| | 3 | n/a | 17,22 | n/a | 16,16 | 11,12 | 9,13 |
| | | 12,17 | n/a | n/a | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | n/a | X,X | 10,14 | 22,23 |
| | | n/a | n/a | n/a | 9.3,9.3 | 8,8 | 16,16 |
| ULVALH | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,(15) | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| UM6837 | Identifiler® Id Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| UNFHAA | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| UXQB9K | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| UY2BB7 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------|-------|---------|-----|---------|-------|-------|
| UYE22C | Identifiler® Plus | | | | | | |
| | 3 | n/t | 17,22 | n/t | 16,16 | 11,12 | 9,13 |
| | | 12,17 | n/t | n/t | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | n/t | X,X | 10,14 | 22,23 |
| | | n/t | n/t | n/t | 9,3,9.3 | 8,8 | 16,16 |
| UZRNL | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |
| V9ZLV2 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| VB4EFY | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| VCYXJL | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |
| VDTNPZ | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | | 9,3,9.3 | 8,8 | 16,16 |
| VE2XFC | Identifiler® Plus | | | | | | |
| | 3 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | - | - | - | 9,3,9.3 | 8,8 | 16,16 |

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

Item 3 - STR Results

| | | | | | | | |
|--------|------------------------------|-------|---------|---------|---------|------------|-------|
| VFJP6P | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| VKB7AM | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| VP7QAD | Identifiler® Plus | | | | | | |
| | 3 | NT | 17,22 | NT | 16,16 | 11,12 | 9,13 |
| | | 12,17 | NT | NT | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | NT | X,X | 10,14,[15] | 22,23 |
| | | NT | NT | NT | 9,3,9.3 | 8,8 | 16,16 |
| VQFTZH | PowerPlex® 16 HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| VUEA97 | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| VWLPHJ | PowerPlex® HS, MiniFiler | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| VX2YKV | Identifiler® Plus, MiniFiler | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | | | 9.3 | 8 | 16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|--------------------------|---------|---------|-------|---------|------------|-------|
| VXZ3D7 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| VZPD6Y | PowerPlex® HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| W2CEJL | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | | 28,32.2 | | X,X | INC | 22,23 |
| | | 10,11 | 12,12 | | 9.3,9.3 | 8,8 | 16,16 |
| W382XB | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| W86AT7 | PowerPlex® 16 HS, Fusion | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| W9GYZP | Identifiler® Plus | | | | | | |
| | 3 | NA | 17,22 | NA | 16 | 11,12 | 9,13 |
| | | 12,17 | NA | NA | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | NA | X | 10,14,[15] | 22,23 |
| | | NA | NA | NA | 9.3 | 8 | 16 |
| WACKRV | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------|-------|---------|---------|---------|-------|-------|
| WCT3DK | Identifiler® Plus | | | | | | |
| | 3 | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | - | - | - | 9,3,9.3 | 8,8 | 16,16 |
| WDMTJZ | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| WGBEGG | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| WL8TBX | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| WN82GT | Identifiler Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| WNDGPN | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| WR8BMP | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |

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

Item 3 - STR Results

| | | | | | | | |
|--------|-----------------------------------|---------|---------|-------|-------|---------|-------|
| WYRCU2 | PowerPlex® Fusion, 16 HS y ESX 17 | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| XAQ9MV | PowerPlex® 16 HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| XBEU6K | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| XEHRFD | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,[14] | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| XFTE8Z | PowerPlex® 16 HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| XHXBK2 | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| XJBH94 | ID+ | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|------------------------------|---------|---------|---------|---------|----------|-------|
| XK6GVG | Identifiler® , PowerPlex® 21 | | | | | | |
| | 3 | 15,15.3 | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| XMUTT2 | Identifiler® Plus | | | | | | |
| | 3 | - | 17,22 | - | 16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | | - | - | - | 9.3 | 8 | 16 |
| XN6P3C | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| XRMU72 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,15 | 22,23 |
| | | | | | 9.3,9.3 | 8,8 | 16,16 |
| XV6YX6 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,15 | 22,23 |
| | | | | | 9.3 | 8 | 16 |
| XVNVYJ | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |
| XWD3GU | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14 | 22,23 |
| | 10,11 | 12,12 | | 9.3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|-------------------------------|---------|---------|---------|-------|----------|-------|
| XXNAH3 | PowerPlex® Fusion | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| Y27JDL | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| Y6BD2H | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| Y72JJU | Identifiler® Identifiler Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| YDLHA3 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,15 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| YEULXY | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| YFPG48 | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|----------------------------------|-------|---------|---------|-------|----------|-------|
| YFQ8EW | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| YLRHA4 | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14,15 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |
| YQ3QJK | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| YR4CLR | PowerPlex® 16 HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |
| YRJLN2 | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| YYGDUA | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| YYHEC2 | Identifiler® Plus, PowerPlex® HS | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |

TABLE 2

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

Item 3 - STR Results

| | | | | | | | |
|--------|------------------------------|---------|---------|---------|---------|-------------|-------|
| YZYCY | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| Z2KPR2 | Identifiler® Plus, MiniFiler | | | | | | |
| | 3 | N/A | 17,22 | N/A | 16,16 | 11,12 | 9,13 |
| | | 12,17 | N/A | N/A | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | N/A | X,X | 10,14 | 22,23 |
| | | N/A | N/A | N/A | 9,3,9.3 | 8,8 | 16,16 |
| Z4QVMB | Identifiler® | | | | | | |
| | 3 | N/A | 17,22 | N/A | 16,16 | 11,12 | 9,13 |
| | | 12,17 | N/A | N/A | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | N/A | X,X | 10,14 | 22,23 |
| | | N/A | N/A | N/A | 9,3,9.3 | 8,8 | 16,16 |
| ZADMU4 | PowerPlex® 16 | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X,X | 10,14,15 | 22,23 |
| | | 10,11 | 12 | | 9,3 | 8 | 16 |
| ZGD8WY | GlobalFiler | | | | | | |
| | 3 | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | | 14,28.2 | 9,3,9.3 | 8,8 | 16,16 | |
| ZGHKEU | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,[INC] | 22,23 |
| | | | | 9,3 | 8 | 16 | |
| ZGYLGW | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,[15] | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |

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

Item 3 - STR Results

| | | | | | | | |
|--------|------------------------------|-------|---------|---------|-------|-------|-------|
| ZGZJNK | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| ZH8YWC | Identifiler® | | | | | | |
| | 3 | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| ZH9MBG | Identifiler® Plus, MiniFiler | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| ZRDQHZ | Identifiler® Plus | | | | | | |
| | 3 | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| ZVHGMU | PowerPlex® 16 HS | | | | | | |
| | 3 | | | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | | 28,32.2 | | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |

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

Item 3e - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|---------|-------|------------|-------|
| BAKKM4 | Identifiler® Plus | | | | | | |
| | 3e | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| RR4X4Z | Profiler® Plus | | | | | | |
| | 3e | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | | 13,16 |
| | | | 28,32.2 | | X,X | | 22,23 |
| | | | | | | 16,16 | |
| UW7BRV | GlobalFiler | | | | | | |
| | 3e | 15,15.3 | 17,22 | 10,14 | 16,16 | 11,12 | 9,13 |
| | | 12,17 | 13,15 | 19,20 | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | 15,16 | X,X | 10,14 | 22,23 |
| | | | 14,28.2 | 9.3,9.3 | 8,8 | 16,16 | |
| VWLK9F | Identifiler® Plus | | | | | | |
| | 3e | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |
| XAK9DE | Identifiler® Plus | | | | | | |
| | 3e | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14,(15) | 22,23 |
| | | | | 9.3,9.3 | 8,8 | 16,16 | |

TABLE 2

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

Item 3sp - STR Results

| | | | | | | | |
|--------|-------------------|----|----|--|-----|----|-------|
| BAKKM4 | Identifiler® Plus | | | | | | |
| | 3sp | | 17 | | 16 | | 9 |
| | | 12 | | | | 9 | 13,16 |
| | | 12 | | | X | 14 | |
| | | | | | 9.3 | 8 | 16 |
| RR4X4Z | Profiler® Plus | | | | | | |
| | 3sp | | | | | | |
| UW7BRV | GlobalFiler | | | | | | |
| | 3sp | | | | | | |
| VWLK9F | Identifiler® Plus | | | | | | |
| | 3sp | | | | | | |
| XAK9DE | Identifiler® Plus | | | | | | |
| | 3sp | | - | | - | - | - |
| | | - | | | - | - | - |
| | | - | - | | - | - | - |
| | | | | | - | - | - |

TABLE 2

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

Item 4 - STR Results

| | | | | | | | |
|--------|-------------------------------|---------------|--------------|----------|---------|-------------|-------------|
| 42UQA7 | Identifiler® | | | | | | |
| | 4 | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 68WVZ4 | Identifiler® | | | | | | |
| | 4 | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 766AFR | Identifiler® Identifiler Plus | | | | | | |
| | 4 | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 7AEQQ2 | Identifiler® Plus | | | | | | |
| | 4 | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 8TJNM3 | Identifiler® Plus | | | | | | |
| | 4 | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 973PHZ | Identifiler® Plus | | | | | | |
| | 4 | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3 | 8,11 | 14,16,17 | |
| 9G8HCZ | Identifiler® Plus | | | | | | |
| | 4 | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4 - STR Results

| | | | | | | | |
|--------|----------------------------|---------------|--------------|----------|---------|-------------|-------------|
| AAKCTY | Identifiler® Plus | | | | | | |
| | 4 | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| JXF9JM | Identifiler® Plus | | | | | | |
| | 4 | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3 | 8,11 | 14,16,17 | |
| LTU7NM | Identifiler® Plus | | | | | | |
| | 4 | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3 | 8,11 | 14,16,17 | |
| MAKJQL | Identifiler® | | | | | | |
| | 4 | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| MYKVQC | Investigator ESS PLEX Plus | | | | | | |
| | 4 | 11,15,15.3 | 17,22,23,25 | 10,11,14 | 15,16 | | |
| | | 11,12,16,17 | 12,13,15 | 19,20,22 | | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | 15,16,17 | X,Y | | 20,21,22,23 |
| | | | | 9,9.3,10 | | 14,16,17 | |
| MZUYKM | Identifiler® | | | | | | |
| | 4 | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| N7TY7A | PowerPlex® | | | | | | |
| | 4 | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4 - STR Results

| | | | | | | | |
|--------|-----------------------------|-----------------|----------------|--------------|-----------|---------------|-----------------|
| PUJLGL | Identifiler Plus, MiniFiler | | | | | | |
| | 4 | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| RGM98F | Identifiler® Plus | | | | | | |
| | 4 | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| TZRBG4 | Identifiler® Plus | | | | | | |
| | 4 | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| W382XB | Identifiler® Plus | | | | | | |
| | 4 | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| XEHRFD | Identifiler® Plus | | | | | | |
| | 4 | | 17,[22,23,25] | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,[13,15.2,16] | 28,[31.2],32.2 | | X,[Y] | 10,[11,12],14 | [20,21],22,23 |
| | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| XFTE8Z | PowerPlex® 16 HS | | | | | | |
| | 4 | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |
| XN6P3C | Identifiler® Plus | | | | | | |
| | 4 | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3 | 8,11 | 14,16,17 | |

| WebCode | Item | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|------------------------------|-------------------|--|--|---------------------------------------|--|-------------------------------------|--------------------------------|
| Item 4e - STR Results | | | | | | | |
| 23RCU9 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | | | | | 9,9.3,10 | 8,[11] | 14,16,17 |
| 2DD7G3 | Identifiler® Plus | | | | | | |
| | 4e | n/a | 17,22,23,25 | n/a | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | n/a | n/a | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | n/a | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | n/a | n/a | n/a | 9,9.3,10 | 8,11 | 14,16,17 |
| 2GBUQH | Identifiler® | | | | | | |
| | 4e | N/A | 17,22,23,25 | N/A | [15],16 | 11,12 | 9,[11],[13] |
| | | 11,12,16,17 | N/A | N/A | [8],12,[13] | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,[31.2],32.2 | N/A | X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | | N/A | N/A | N/A | 9,9.3,10 | 8,[11] | [14],16,[17] |
| 2JXGD4 | PowerPlex® 16 | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| 2KED4H | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23,25] | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2,16] | 28,[31.2],32.2 | | X,[Y] | 10,[11,12],14 | [20],21,[22],23 |
| | | | | | [9],9.3 | 8,[11] | [14],16,[17] |
| 2RTGTW | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | | 9,9.3,10 | 8,11 | 14,16,17 |
| 2YCR2Q | PowerPlex® 16 | | | | | | |
| | 4e | | | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | | 28,[31.2],32.2 | | X,[Y] | 10,[11],[12],14 | [20],21,22,23 |
| | | [9],10,11,[13] | [11],12,[15] | | [9],9.3,[10] | 8,[11] | [14],16,[17] |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|------------------------------|-----------------|-----------------|--------------|-----------|---------------|-----------------|
| 2YYLQ | Identifiler® Plus, MiniFiler | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 37QTYF | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 3APG8A | Identifiler® + | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 3B6D2U | PowerPlex® HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 3E8ARP | Identifiler® Plus, MiniFiler | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 3H39X8 | Identifiler® Plus | | | | | | |
| | 4e | | 17,(22),(23,25) | | (15),16 | 11,12 | 9,(11),13 |
| | | 12,(16),17 | | | (8),12,13 | 9,(12) | 13,(15),16,(17) |
| | | 12,13,(15.2,16) | 28,(31.2),32.2 | | X,(Y) | 10,(11,12),14 | (20,21),22,23 |
| | | | | (9),9.3,(10) | 8,(11) | (14),16,(17) | |
| 3MCLGR | PowerPlex® 16 HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|---------|------------------------------|-----------------|------------------|--------------|--------------|-----------------|-----------------|
| 3N84G8 | PowerPlex® 16 | | | | | | |
| | 4e | | | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,[13] | 9,[12] | 13,[15],16,[17] |
| | | | 28,[31.2],[32.2] | | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | | [9],10,11,[13] | 12,[15] | | [9],9.3,[10] | 8,[11] | [14],16,[17] |
| 3UTYHB | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,X,(Y) | 10,11,12,14 | 20,21,22,23 |
| | | | | (9),9.3,(10) | 8,8,(11) | (14),16,17 | |
| 3W34VZ | Identifiler® Plus, MiniFiler | | | | | | |
| | 4e | - | 17,22,23,25 | - | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | - | - | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | - | X,Y | 10,11,12,14 | 20,21,22,23 |
| | - | - | - | 9,9.3,10 | 8,11 | 14,16,17 | |
| 436HBA | Identifiler® | | | | | | |
| | 4e | - | 17,22,23,25 | - | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | - | - | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | - | X,Y | 10,11,12,14 | 20,21,22,23 |
| | - | - | - | 9,9.3,10 | 8,[11] | 14,16,17 | |
| 49EKRW | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3 | 8,11 | 14,16,17 | |
| 4AQJJK | PowerPlex® HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 4EKG CW | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | | | 9,9.3 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|------------------------------|-------------------|-----------------|------------------|------------|-----------------|-----------------|
| 4FRP8B | Identifiler® , MiniFiler | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 4JX44G | PowerPlex® 16 | | | | | | |
| | 4e | | | | [15],[16] | 11,12 | 9,[11],13 |
| | | 11,12,16,17 | | | [8],12,13 | 9,12 | 13,15,16,[17] |
| | | | 28,[31.2],32.2 | | X,[Y] | 10,[11],12,14 | 20,21,22,23 |
| | [9],10,11,13 | [11],12,[15] | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| 4LXAK8 | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 4NKXW8 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,(23),(25) | | (15),16,16 | 11,12 | 9,(11),13 |
| | | (11),12,(16),17 | | | (8),12,13 | 9,9,(12) | 13,(15),16,(17) |
| | | 12,13,(15.2),(16) | 28,(31.2),32.2 | | X,X,(Y) | 10,(11),(12),14 | (20),(21),22,23 |
| | | | | (9),9.3,9.3,(10) | 8,8,(11) | (14),16,16,(17) | |
| 4QDW2X | PowerPlex® 16 | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 4ZLC6K | Identifiler® Plus | | | | | | |
| | 4e | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14,(15) | 22,23 |
| | | | | 9.3 | 8 | 16 | |
| 64EX6M | Identifiler® Plus, MiniFiler | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------|-------------------|-----------------|------------------|-------------|-----------------|-----------------|
| 6649YZ | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | (15),16,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,X,(Y) | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,8,(11) | 14,16,(17) | |
| 6ALGED | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 6JL2M8 | Identifiler Plus | | | | | | |
| | 4e | | 17,22,(23),(25) | | (15),16,16 | 11,12 | 9,(11),13 |
| | | (11),12,(16),17 | | | (8),12,13 | 9,9,(12) | 13,(15),16,(17) |
| | | 12,13,(15.2),(16) | 28,(31.2),32.2 | | X,X,(Y) | 10,(11),(12),14 | (20),(21),22,23 |
| | | | | (9),9.3,9.3,(10) | 8,8,(11) | (14),16,16,(17) | |
| 6LBCH7 | Identifiler® | | | | | | |
| | 4e | N/A | 17,22,23,25 | N/A | [15],16 | 11,12 | 9,[11],13 |
| | | 11,12,16,17 | N/A | N/A | [8],12,[13] | 9,[12] | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,[31.2],32.2 | N/A | X,[Y] | 10,[11],[12],14 | 20,21,22,23 |
| | N/A | N/A | N/A | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| 6LWUPL | PowerPlex® 16 HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 6N2H8X | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 6NF3LZ | PowerPlex® Fusion | | | | | | |
| | 4e | 11,15,15.3 | 17,22,23,25 | 10,11,14 | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | 12,13,15 | 19,20,22 | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | 15,16 | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------|-------------------|-------------------|----------|---------|------------------|-------------|
| 6NNQHM | Identifiler Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 6NZLPL | Profiler® Plus | | | | | | |
| | 4e | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | | 13,16 |
| | | | 28,32.2 | | X,X | | 22,23 |
| | | | | | | 16,16 | |
| 6QPXG6 | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,[15] | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 6QQNRU | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 6RKJ8B | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,[12],16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,[13],15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 6TYV3A | Globalfiler | | | | | | |
| | 4e | 11,15,15.3 | 17,22,23,25 | 10,11,14 | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | 12,13,15 | 19,20,22 | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | 15,16 | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | 14,28.2,29.2,30.2 | 9,9.3,10 | 8,11 | 14,16,17 | |
| 769YTP | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,[15.2],[16] | 28,31.2,32.2 | | X,Y | 10,11,[12],14 | 20,21,22,23 |
| | | | | 9,9.3 | 8,[11] | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------|---------------|--------------|----------|----------|-------------------|-------------|
| 7C8KKP | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,[inc] | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | | 14,16,17 |
| 7MP66L | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | | 14,16,17 |
| 7QMQRH | PowerPlex® HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| 7TCQC9 | PowerPlex® 21 | | | | | | |
| | 4e | 11,15,15.3 | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | 19,20,22 | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,32.2 | | X,Y | 10,11,12,14 | 21,22,23 |
| | | 10,11 | 11,12,15 | | 9,9.3,10 | 8 | 14,16,17 |
| 7TPKGM | Identifiler® Plus | | | | | | |
| | 4e | - | 17,22,23,25 | - | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | - | - | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | - | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | - | - | - | 9,9.3,10 | 8,11 | 14,16,17 |
| 7Y6RF8 | PowerPlex® 21 | | | | | | |
| | 4e | 11,15,15.3 | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | 19,20,22 | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,14 | 20,21,22,23 |
| | | 9,10,11,13 | 12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| 84PBV3 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | | 14,16,17 |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|------------------------------|-------------------|-----------------------|----------------|---------------|-----------------|-----------------|
| 87CVXQ | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 887XA9 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,[11],13 |
| | | 11,12,16,17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | | | | [9],9.3 | 8,[11] | [14],16,[17] | |
| 8AV6U6 | Identifiler® Plus, MiniFiler | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 8F4EAD | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,[12] | 13,[15],16 |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | | | | [9],9.3 | 8,[11] | [14],16,[17] | |
| 8HAY2K | PowerPlex® 16 HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,10,11,13 | 11,12,15 | 14,16,17 | |
| 8HP839 | Globalfiler | | | | | | |
| | 4e | [11],15,15.3 | [17],[22],[23],[25] | 10,[11],14 | [15],16,16 | 11,12 | [9],[11],[13] |
| | | [11],12,[16],17 | [12],13,15 | 19,20,[22] | [8],[12],[13] | 9,9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | [28],[31.2],[32.2] | [15],[16] | X,X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | | | 14,28.2,[29.2],[30.2] | [9],[9.3],[10] | 8,8,[11] | 16,16,[17] | |
| 8MGMEL | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | | | 9,9.3 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------|---------------|--------------|--------------|----------|--------------|-------------|
| 8NA8FZ | PowerPlex® Fusion | | | | | | |
| | 4e | 11,15,15.3 | 17,22,23,25 | 10,11,14 | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | 12,13,15 | 19,20,22 | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | 15,16 | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | NT | 9,9.3,10 | 8,11 | 14,16,17 |
| 8RRKZM | PowerPlex® 16 HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| 8W4FUY | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | [15],16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| 8W6GQH | PowerPlex® 16 HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| 8XM6DJ | PowerPlex® 16 HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| 8YR8Q2 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 98679J | PowerPlex® 16 HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|--------------------------|-------------------|-----------------|--------------|-----------|-------------------|-----------------|
| 9AUFFZ | PowerPlex® 16 | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| 9B6ECU | PowerPlex® Fusion, HS | | | | | | |
| | 4e | 11,15,15.3 | 17,22,23,25 | 10,11,14 | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | 12,13,15 | 19,20,22 | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | 15,16 | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| 9C2QEN | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,[INC] | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,[11] | 14,16,17 | |
| 9CZZ4Z | PowerPlex® 16 | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| 9F2YKK | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,[11],13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,[17] |
| | | 12,13,[15.2],16 | 28,31.2,32.2 | | X,Y | 10,[11],12,14 | [20],[21],22,23 |
| | | | | 9,9.3 | 8,[11] | [14],16,17 | |
| 9JV6VF | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,[12] | 13,15,16,17 |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | | X,[Y] | 10,11,12,14,[15] | 20,21,22,23 |
| | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| 9L8V76 | PowerPlex® 21 system kit | | | | | | |
| | 4e | 11,15,15.3 | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | 19,20,22 | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|------------------------------|-----------------|---------------------|------------------|---------------|------------------|-----------------|
| 9QVGTX | Globalfiler | | | | | | |
| | 4e | [11,15],15,15.3 | 17,22,[23,25] | 10,[11,14],14 | [15,16],16,16 | 11,[11,12],12 | 9,[9,11],13 |
| | | [11],12,[16],17 | [12],13,15,[15] | [19],19,20,[22] | [8,12],12,13 | 9,9,[12,12] | 13,[15],16,[17] |
| | | 12,13,[15.2,16] | 28,[28,31.2],32.2 | [15,15],15,16 | X,X,[X,Y] | 10,[11,12],14 | [20,21],22,23 |
| | | | 14,28.2,[29.2,30.2] | [9],9.3,9.3,[10] | 8,8,[8,11] | [14],16,16,[17] | |
| 9TH76X | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,8 | 14,16,17 | |
| 9UVQYT | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3 | 8,11 | 14,16,17 | |
| A8ZDMG | Identifiler® Plus, MiniFiler | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| AAPPFV | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,(11),13 |
| | | 11,12,16,17 | | | (8),12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,X,(Y) | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,8,(11) | (14),16,(17) | |
| AGRH2C | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,[15] | 20,21,22,23 |
| | | | | 9,9.3 | 8,11 | 14,16,17 | |
| AHFAJ8 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-----------------------|-------------------|-----------------|--------------|-----------|------------------|-----------------|
| AKP8YB | Identifiler[sic] Plus | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | | | | [9],9.3 | 8,[11] | [14],16,[17] | |
| ALH2YZ | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| AR7JGH | PP16 HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| ATZ8XR | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| AZEFW9 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| B236PZ | Identifiler® Plus | | | | | | |
| | 4e | n/a | 17,22,23,25 | n/a | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | n/a | n/a | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | n/a | X,Y | 10,11,12,14,[15] | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| B2HLKT | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |

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

Item 4e - STR Results

| | | | | | | | |
|--------|--------------------------|-------------------|-----------------|------------|-----------|-----------------|-----------------|
| B8GMFH | PowerPlex® 16 HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| B8UE4T | Identifiler® | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,12 | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,31.2,32.2 | | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | | | | [9],9.3 | 8,[11] | [14],16,[17] | |
| BAKKM4 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,[11],13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | | | | [9],9.3,10 | 8,11 | 14,16,17 | |
| BDZ3Q8 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| BEUKZV | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,(32.2) | | X,X(Y) | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| BF32NT | PowerPlex® 16 | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| BJLU42 | PowerPlex® HS, MiniFiler | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------|-----------------|---------------------|------------------|---------------|-----------------|-----------------|
| BN2DDV | Globalfiler | | | | | | |
| | 4e | [11,15],15,15.3 | 17,22,[23,25] | 10,[11,14],14 | [15,16],16,16 | 11,[11],12,[12] | 9,[9,11],13 |
| | | [11],12,[16],17 | [12],13,15,[15] | [19],19,20,[22] | [8,12],12,13 | 9,9,[12,12] | 13,[15],16,[17] |
| | | 12,13,[15.2,16] | 28,[28,31.2],32.2 | [15,15],15,16 | X,X,[X,Y] | 10,[11,12],14 | [20,21],22,23 |
| | | | 14,28.2,[29.2,30.2] | [9],9.3,9.3,[10] | 8,8,[8,11] | [14],16,16,[17] | |
| BQN2PW | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,8,(11) | 14,16,17 | |
| BTYPG9 | Identifiler® | | | | | | |
| | 4e | - | 17,22,23,25 | - | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | - | - | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | - | X,Y | 10,11,12,14 | 20,21,22,23 |
| | - | - | - | 9,9.3,10 | 8,11 | 14,16,17 | |
| C3ECCT | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13 | 28,[31.2],32.2 | | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| C8CPHR | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| CE9GWM | Identifiler® Plus | | | | | | |
| | 4e | - | 17,22,23,25 | - | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | - | - | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | - | X,Y | 10,11,12,14 | 20,21,22,23 |
| | - | - | - | 9,9.3,10 | 8,11 | 14,16,17 | |
| CHQQUQ | Identifiler® Plus | | | | | | |
| | 4e | - | 17,22,23,25 | - | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | - | - | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | - | X,Y | 10,11,12,14 | 20,21,22,23 |
| | - | - | - | 9,9.3,10 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------|---------------|--------------|----------|----------|-----------------|---------------|
| CHTCRR | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| CL94FZ | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| CRF9TT | PowerPlex® 16 | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| D3DT9Q | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | | | 9,9.3 | 8,11 | 14,16,17 | |
| D9ZF6G | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| DCE82C | PowerPlex® 16 | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,[11],12 | 13,15,16,[17] |
| | | | 28,31.2,32.2 | | X,Y | 10,[11],[12],14 | 20,21,22,23 |
| | | 9,10,11,[13] | [11],12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| DCWD8T | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------|-------------------|----------------|--------------|-----------|-----------------|-----------------|
| DDCDQH | PowerPlex® 16 HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| DNTD37 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | [15],16 | 11,12 | 9,[11],13 |
| | | 11,12,16,17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | | | | [9],9.3 | 8,[11] | [14],16,[17] | |
| DQZLEC | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| DUYVHY | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| DW2XYM | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | [15],16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| DXJTWG | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,[12],16,[17] | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | [12],[13],15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,[22],[23] |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| EBQW2B | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|--|-------------------|-------------------|--------------|-----------|-----------------|---------------------|
| EC9CVB | PowerPlex® 16 | | | | | | |
| | 4e | | | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],[17] | | | 8,12,13 | 9,[12] | [13],[15],[16],[17] |
| | | | 28,[31.2],32.2 | | X,Y | 10,[11],[12],14 | 20,21,22,23 |
| | | [9],10,[11],[13] | [11],12 | | 9,9.3,10 | 8,11 | 14,16,[17] |
| EE3V7P | Identifiler® Identifiler Plus, MiniFiler | | | | | | |
| | 4e | NT | 17,22,[23],[25] | NT | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | NT | NT | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | NT | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | NT | NT | NT | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| EH3CCR | Identifiler® Plus | | | | | | |
| | 4e | NA | 17,22,23,25 | NA | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | NA | NA | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | NA | X,Y | 10,11,12,14 | 20,21,22,23 |
| | NA | NA | NA | 9,9.3 | 8,11 | 14,16,17 | |
| EP326C | PowerPlex® 16HS, ESX17 | | | | | | |
| | 4e | 11,15,15.3 | 17,22,23,25 | 10,11,14 | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | 12,13,15 | 19,20,22 | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | 15,16 | X,X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | 14,28.2,29.2,30.2 | 9,9.3,10 | 8,11 | 14,16,17 | |
| EU3LCM | Identifiler Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| EUVDVM | Identifiler® Plus | | | | | | |
| | 4e | - | 17,22,23,25 | - | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | - | - | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | - | X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | - | - | - | 9,9.3,10 | 8,11 | 14,16,17 | |
| EW2B7F | PowerPlex® HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------|-------------------|------------------|--------------|-----------|------------------|-----------------|
| EXFL9E | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| EZ34FE | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| F7NF48 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,[15] | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| FGJRZT | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| FHHXCL | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,[31.2],[32.2] | | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| G3NNB2 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,13 |
| | | [11],12,[16],17 | | | 8,12,13 | 9,12 | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | | X,[Y] | 10,[12],14 | [20],[21],22,23 |
| | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| G4DVTC | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,[17] |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3 | 8,11 | 14,16,17 | |

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------|-------------------|-----------------|----------|-----------|-----------------|-----------------|
| G6L7CA | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | | | 9,9.3 | 8,11 | 14,16,17 | |
| GR3MQK | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3 | 8,11 | 14,16,17 | |
| GTU7Q | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| H4RQP4 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,[12] | 13,[15],16 |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | | | | [9],9.3 | 8,[11] | [14],16,[17] | |
| HAWPZU | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| HAXDLE | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| HAXFBH | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------|-------------------|-----------------|--------------|------------|-----------------|-----------------|
| HFNUVJ | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | | | | [9],9.3 | 8,[11] | [14],16,[17] | |
| HKEDQM | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23,25] | | [15],16,16 | 11,12 | 9,[11],13 |
| | | 11,12,16,17 | | | [8],12,13 | 9,12 | 13,[15],16,[17] |
| | | 12,13,[15.2,16] | 28,31.2,32.2 | | X,X,[Y] | 10,11,[12],14 | [20],21,22,23 |
| | | | | [9],9.3,[10] | 8,8,[11] | [14],16,16,[17] | |
| HMLFTK | PowerPlex® 16 | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |
| HPTW33 | Identifiler® Plus | | | | | | |
| | 4e | - | 17,22,23,25 | - | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | - | - | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | - | X,Y | 10,11,12,14 | 20,21,22,23 |
| | - | - | - | 9,9.3,10 | 8,11 | 14,16,17 | |
| HU8JTZ | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| HVGKX8 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| HVUALR | Identifiler® Plus | | | | | | |
| | 4e | NT | 17,22,23,25 | NT | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | NT | NT | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | NT | X,Y | 10,11,12,14 | 20,21,22,23 |
| | NT | NT | NT | 9,9.3,10 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|---------|-------------------|-------------------|------------------|--------------|-------------|--------------|-----------------|
| HXX3JW | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| HYHHFM | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| J2C3CH | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | [15],16 | 11,12 | 9,[11],13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,[12] | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| J2Z4H9 | Identifiler® Plus | | | | | | |
| | 4e | - | 17,22,23,25 | - | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | - | - | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | - | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| J628AV | Identifiler® Plus | | | | | | |
| | 4e | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,9.3,9.3 | 8,8 | 16,16 | |
| JFE CFR | PowerPlex® Fusion | | | | | | |
| | 4e | [11],15,[15.3] | [17],22,23,[25] | [10],[11],14 | [15],16 | 11,12 | 9,[11],[13] |
| | | 11,[12],16,[17] | [12],[13],15 | 19,[20],[22] | [8],12,[13] | [9],12 | [13],15,[16],17 |
| | | [12],[13],15.2,16 | 28,[31.2],[32.2] | 15,[16] | X,[Y] | 10,11,12,14 | 20,21,[22],[23] |
| | 9,10,11,13 | [11],12,[15] | | 9,9.3,10 | 8,[11] | 14,16,[17] | |
| JPR8RD | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------|-------------------|-----------------|-----|--------------|-----------------|-----------------|
| JRAHCB | Identifiler® Plus | | | | | | |
| | 4e | - | 17,22,23,25 | - | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | - | - | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | - | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | - | - | - | 9,9.3 | 8,11 | 14,16,17 |
| JT62FX | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | | 9,9.3,10 | 8,11 | 14,16,17 |
| JW3JFB | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | | 9,9.3,10 | 8,11 | 14,16,17 |
| K42NKY | Identifiler® | | | | | | |
| | 4e | N/A | 17,22,23,25 | N/A | [15],16 | 11,12 | 9,[11],13 |
| | | 11,12,16,17 | N/A | N/A | [8],12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,[31.2],32.2 | N/A | X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | | N/A | N/A | N/A | 9,9.3,[10] | 8,[11] | [14],16,[17] |
| K8XC4R | Profiler® Plus | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | | 20,21,22,23 |
| | | | | | | | 14,16,17 |
| K9CPWV | Identifiler® Plus | | | | | | |
| | 4e | | [17],[22],23,25 | | 15,16 | 11,12 | 9,11,[13] |
| | | 11,[12],16,[17] | | | 8,12,[13] | [9],12 | [13],15,[16],17 |
| | | [12],[13],15.2,16 | 28,31.2,32.2 | | X,Y | [10],11,12,[14] | 20,21,[22],[23] |
| | | | | | 9,9.3,10 | 8,11 | 14,16,17 |
| K9RXUX | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,16,17 | | | [8],12,[13] | 9,[12] | 13,15,16,17 |
| | | 12,13,15.2,[16] | 28,[31.2],32.2 | | X,[Y] | 10,[11],[12],14 | 20,21,22,23 |
| | | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] |

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

Item 4e - STR Results

| | | | | | | | |
|--------|-----------------------|-------------------|------------------|--------------|-------------|-------------------|-------------------|
| K9YTTC | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| KA4TGP | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,[13] | 9,[12] | 13,15,16,[17] |
| | | 12,13,[15.2],16 | 28,31.2,32.2 | | X,[Y] | 10,[11],12,14 | 20,[21],22,23 |
| | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| KALNZC | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| KAMLB8 | Essplex Plus | | | | | | |
| | 4e | 11,15,15.3 | 17,22,23,25 | 10,11,14 | 15,16 | | |
| | | 11,12,16,17 | 12,13,15 | 19,20,22 | | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | 15,16 | X,Y | | 20,21,22,23 |
| | | | | 9,9.3,10 | | 14,16,17 | |
| KBH2M6 | PowerPlex® 16 | | | | | | |
| | 4e | | | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],[12],[16],17 | | | [8],12,[13] | 9,12 | 13,[15],16,[17] |
| | | | 28,[31.2],[32.2] | | X,[Y] | [10],[11],[12],14 | [20],[21],22,[23] |
| | [9],10,[11],[13] | [11],12 | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| KBH6D9 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| KDB2UF | PowerPlex® HS, Fusion | | | | | | |
| | 4e | 11,15,15.3 | 17,22,23,25 | 10,11,14 | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | 12,13,15 | 19,20,22 | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | 15,16 | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |

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

Item 4e - STR Results

| | | | | | | | |
|--------|------------------------------|---------------|--------------|----------|----------|----------------|-------------|
| KE7FKE | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| KJYNPL | PowerPlex® | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| KKLEHD | Identifiler® Plus | | | | | | |
| | 4e | - | 17,22,23,25 | - | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | - | - | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | - | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | - | - | - | 9,9.3,10 | 8,11 | 14,16,17 |
| KPDZL | Identifiler Plus | | | | | | |
| | 4e | - | 17,22,23,25 | - | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | - | - | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | - | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | - | - | - | 9,9.3,10 | 8,11 | 14,16,17 |
| KU3WCY | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| KXH8NG | PowerPlex® 16 | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| L2TLM8 | Identifiler® Plus, MiniFiler | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------|-----------------|------------------|-----|--------------|---------------|-----------------|
| L4VTEY | Identifiler® | | | | | | |
| | 4e | N/A | 17,22,23,[25] | N/A | 15,16 | 11,12 | 9,[11],[13] |
| | | 11,12,16,17 | N/A | N/A | [8],12,[13] | 9,[12] | 13,[15],16,[17] |
| | | [12],13,15.2,16 | 28,[31.2],[32.2] | N/A | X,[Y] | 10,[11],12,14 | 20,21,22,23 |
| | | N/A | N/A | N/A | 9,9.3,10 | 8,[11] | [14],16,[17] |
| L6WDV8 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | | 9,9.3,10 | 8,11 | 14,16,17 |
| L9PLTM | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | | 9,9.3,10 | 8,11 | 14,16,17 |
| L9U6HB | PowerPlex® 16 | | | | | | |
| | 4e | | | | [15],16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,[12] | 13,15,16,[17] |
| | | | 28,[31.2],32.2 | | X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | [11],12,[15] | | [9],9.3,[10] | 8,[11] | [14],16,[17] |
| LA7T3B | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | | 9,9.3,10 | 8,11 | 14,16,17 |
| LAR3H8 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | | 9,9.3,10 | 8,11 | 14,16,17 |
| LEHMWM | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | | 9,9.3,10 | 8,11 | 14,16,17 |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------------------|-------------------|-------------------|--------------|------------|-----------------|-----------------|
| LLY7AU | Identifiler® Identifiler Plus | | | | | | |
| | 4e | | 17,22,23,25 | | [15],16 | 11,12 | 9,[11],13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,[11] | [14],16,17 | |
| LPETQK | GlobalFiler | | | | | | |
| | 4e | 11,15,15.3 | 17,22,23,25 | 10,11,14 | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | 12,13,15 | 19,20,22 | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | 15,16 | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | 14,28.2,29.2,30.2 | 9,9.3,10 | 8,11 | 14,16,17 | |
| LPYEGP | Identifiler® | | | | | | |
| | 4e | N/A | 17,22,[23],[25] | N/A | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | N/A | N/A | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | N/A | X,[Y] | 10,[11],[12],14 | 20,21,22,23 |
| | N/A | N/A | N/A | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| LR6XJR | PowerPlex® Fusion | | | | | | |
| | 4e | [11],15,15.3 | 17,22,[25] | 10,[11],14 | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | [12],13,15 | 19,20,[22] | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13,[16] | 28,32.2 | 15,16 | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | [9],10,11,[13] | [11],12,[15] | | [9],9.3,[10] | 8 | [14],16,[17] | |
| LR6Z9W | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| LTZHAX | PowerPlex® 16 | | | | | | |
| | 4e | | | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | | 28,[31.2],32.2 | | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | [9],10,11,[13] | [11],12,[15] | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| LUGJLZ | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | [15],16,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,9,[12] | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | | | | [9],9.3,9.3 | 8,8,[11] | [14],16,16,[17] | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-----------------------------|-------------------|-----------------|----------|-----------|-----------------|-----------------|
| LWHQKJ | PowerPlex® 16 | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| M4XRG8 | COfiler® and Profiler Plus® | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| M98P9Z | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | | | | [9],9.3 | 8,[11] | [14],16,[17] | |
| MD6BZ3 | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,X,X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,8,8,11 | 14,16,17 | |
| MDLME2 | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,[12],16,[17] | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | [12],[13],15.2,16 | 28,31.2,[32.2] | | X,Y | 10,11,12,14 | 20,21,[22],[23] |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| MN9GZW | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| MP33R3 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------|---------------|--------------|----------|----------|----------------|-------------|
| MXBWKA | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| N6Y9ZU | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| NDW9Q4 | PowerPlex® FUSION | | | | | | |
| | 4e | 11,15,15.3 | 17,22,23,25 | 10,11,14 | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | 12,13,15 | 19,20 | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | 15,16 | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| NFXU3 | Identifiler Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| NGGTC6 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| NLPBED | PowerPlex® 16 | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| NTCU69 | PowerPlex® 16 HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|--------------------------|-------------------|-----------------|-----|--------------|-----------------|-----------------|
| NTRPF2 | Identifiler Plus | | | | | | |
| | 4e | | [17],[22],23,25 | | 15,16 | 11,12 | 9,11,[13] |
| | | 11,[12],16,[17] | | | 8,12,[13] | [9],12 | [13],15,[16],17 |
| | | [12],[13],15.2,16 | 28,31.2,[32.2] | | X,Y | [10],11,12,[14] | 20,21,[22],[23] |
| | | | | | 9,[9.3],10 | 8,11 | 14,[16],17 |
| NUNNRZ | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[25] | | [15],16,16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,9,[12] | 13,[15],16 |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | | X,X | 10,[11],[12],14 | [20],[21],22,23 |
| | | | | | [9],9.3,9.3 | 8,8,[11] | [14],16,16,[17] |
| NW9MUW | Identifiler® | | | | | | |
| | 4e | N/A | 17,22,[23],[25] | N/A | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | N/A | N/A | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | N/A | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | | N/A | N/A | N/A | [9],9.3,[10] | 8,[11] | [14],16,[17] |
| P2J4WX | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | | 9,9.3,10 | 8,11 | 14,16,17 |
| P2KQMK | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | | 9,9.3,10 | 8,11 | 14,16,17 |
| P7QNNC | Identifiler® , MiniFiler | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,[11],13 |
| | | 11,12,16,17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2],16 | 28,[31.2],32.2 | | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] |
| PDBNEA | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | | | | 9,9.3,10 | 8,11 | 14,16,17 |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-----------------------------|---------------|--------------|----------|----------|----------------|-------------|
| PHNBBZ | PowerPlex® 16 HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| PJXFL4 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| PJYFKH | PowerPlex® 16 | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| PKT2BN | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| PPL3FM | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| PTP2QF | PowerPlex® 16 | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| Q2QU8L | COfiler® and Profiler Plus® | | | | | | |
| | 4e | | | | 16,16 | 11,12 | 9,13 |
| | | 12,16,17 | | | 8,12,13 | | 13,15,16 |
| | | | 28,32.2 | | X,X | | 21,22,23 |
| | | | | | | 16,16 | |

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

Item 4e - STR Results

| | | | | | | | |
|--------|--------------------|-----------------|----------------|-------------------|-----------|----------------|-----------------|
| QDT7QU | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23,25] | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2,16] | 28,[31.2],32.2 | | X,[Y] | 10,[11,12],14 | [21],22,23 |
| | | | | | [9],9.3 | 8,[11] | [14],16,[17] |
| QFDZLA | Identifiler® Plus | | | | | | |
| | 4e | - | 17,22,23,25 | - | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | - | - | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | - | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | - | - | - | 9,9.3,10 | 8,11 | 14,16,17 |
| QGEGBU | Identifiler® | | | | | | |
| | 4e | - | 17,22,23,25 | - | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | - | - | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | - | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | - | - | - | 9,9.3,10 | 8,11 | 14,16,17 |
| QK8ZGW | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 12,13,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | | | | 9,9.3 | 8,11 | 14,16,17 |
| QKRHYK | PowerPlex® ESIFast | | | | | | |
| | 4e | 11,15,15.3 | 17,22,23,25 | 10,11,14 | 15,16 | | |
| | | 11,12,16,17 | 12,13,15 | 19,20,22 | | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | 15,16 | X,X,X,Y | | 20,21,22,23 |
| | | | | 14,28.2,29.2,30.2 | 9,9.3,10 | | 14,16,17 |
| QP4C74 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | | | | 9,9.3,10 | 8,11 | 14,16,17 |
| QPXDHK | Identifiler® | | | | | | |
| | 4e | N/A | 17,22,23,25 | N/A | [15],16 | 11,12 | 9,[11],13 |
| | | 11,12,16,17 | N/A | N/A | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,[31.2],32.2 | N/A | X,[Y] | 10,[11],12,14 | 20,21,22,23 |
| | | N/A | N/A | N/A | 9,9.3,10 | 8,[11] | 14,16,[17] |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|----------------------------------|---------------|------------------|--------------|-------------|--------------|---------------|
| QQYU86 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | [15],16 | 11,12 | 9,[11],[13] |
| | | 11,12,16,17 | | | [8],12,[13] | 9,[12] | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,[31.2],[32.2] | | X,[Y] | 10,11,12,14 | [20],21,22,23 |
| | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| QW36RH | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| R3MFQ6 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,3,9.3 | 8,8 | 16,16 | |
| R4URE9 | Identifiler® Plus, PowerPlex® HS | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| RAL689 | PowerPlex® 16 HS, Fusion | | | | | | |
| | 4e | 11,15,15.3 | 17,22,23,25 | 10,11,14 | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | 12,13,15 | 19,20,22 | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | 15,16 | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| RBGGA4 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,[11],13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| RFRLTQ | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |

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

Item 4e - STR Results

| | | | | | | | |
|--------|---------------------|-------------------|-----------------|--------------|-----------|-----------------|-----------------|
| RH3GJP | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,12 | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| RR4X4Z | Profiler® Plus | | | | | | |
| | 4e | | | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | | 13,16 |
| | | | 28,32.2 | | X,X | | 22,23 |
| | | | | | | 16,16 | |
| RTHBYN | PowerPlex® HotStart | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |
| RVPNKW | Identifiler® Plus | | | | | | |
| | 4e | | 17,22 | | 16,16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | | X,X | 10,14 | 22,23 |
| | | | | 9,9.3,9.3 | 8,8 | 16,16 | |
| T6EUWU | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | | X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| TBF6UL | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| TBF9C4 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------|-------------------|-----------------|--------------|-----------|-----------------|-----------------|
| TBYWX6 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| TG27ZQ | ID+ | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3 | 8,11 | 14,16,17 | |
| THDYNE | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| TM7XDV | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,[31.2],32.2 | | X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,[11] | [14],16,[17] | |
| TMNVML | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,[10] | 8,[11] | 14,16,17 | |
| TPCLFD | Identifiler® Plus | | | | | | |
| | 4e | - | 17,22,23,25 | - | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | - | - | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | - | X,Y | 10,11,12,14 | 20,21,22,23 |
| | - | - | - | 9,9.3,10 | 8,11 | 14,16,17 | |
| TTTWLV | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------|---------------|--------------|----------|----------|-------------|-------------|
| TVZWZA | Identifiler® Plus | | | | | | |
| | 4e | NA | 17,22,23,25 | NA | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | NA | NA | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | NA | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | NA | NA | NA | 9,9.3,10 | 8,11 | 14,16,17 |
| TZC62E | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| U9MJRM | PowerPlex® 16 HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |
| UET3ZN | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| UGKACX | PowerPlex® 16 HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |
| UJ9LAH | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| UJKNC9 | Identifiler® Plus | | | | | | |
| | 4e | n/a | 17,22,23,25 | n/a | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | n/a | n/a | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | n/a | X,Y | 10,11,12,14 | 20,21,22,23 |
| | n/a | n/a | n/a | 9,9.3,10 | 8,11 | 14,16,17 | |

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

Item 4e - STR Results

| | | | | | | | |
|--------|----------------------|-------------------|-------------------|--------------|------------|----------------------|-----------------|
| ULVALH | Identifiler® | | | | | | |
| | 4e | | 17,22,(23),(25) | | (15),16,16 | 11,12 | 9,(11),13 |
| | | (11),12,(16),17 | | | (8),12,13 | 9,9,(12) | 13,(15),16,(17) |
| | | 12,13,(15.2),(16) | 28,(31.2),32.2 | | X,X,(Y) | 10,(11),(12),14,(15) | (20),(21),22,23 |
| | | | | (9),9.3,9.3 | 8,8,(11) | (14),16,16,(17) | |
| UM6837 | Identifiler® ID Plus | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | | X,[Y] | 10,[11],[12],14 | [20],[21],22,23 |
| | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| UNFHAA | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| UW7BRV | GlobalFiler | | | | | | |
| | 4e | 11,15,15.3 | 17,22,23,25 | 10,11,14 | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | 12,13,15 | 19,20,22 | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | 15,16 | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | 14,28.2,29.2,30.2 | 9,9.3,10 | 8,11 | 14,16,17 | |
| UXQB9K | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,[13] | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| UY2BB7 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3 | 8,11 | 14,16,17 | |
| UYE22C | Identifiler® Plus | | | | | | |
| | 4e | n/t | 17,22,23,25 | n/t | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | n/t | n/t | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | n/t | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | n/t | n/t | n/t | 9,9.3,10 | 8,11 | 14,16,17 |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------|-------------------|------------------|---|--------------|-----------------|---------------|
| UZRNL | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | | 9,9.3,10 | 8,11 | 14,16,17 |
| V9ZLV2 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,[16] | 28,31.2,32.2 | | X,Y | 10,11,12,14 | [20],21,22,23 |
| | | | | | 9,9.3,10 | 8,11 | 14,16,[17] |
| VB4EFY | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | | 9,9.3,10 | 8,11 | 14,16,17 |
| VCYXJL | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16 | 11,12 | 9,[11],13 |
| | | 11,12,16,17 | | | [8],12,[13] | 9,[12] | 13,15,16,17 |
| | | 12,13,[15.2],[16] | 28,[31.2],[32.2] | | X,[Y] | 10,[11],[12],14 | 20,21,22,23 |
| | | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] |
| VDTNPZ | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | | 9,9.3 | 8,11 | 14,16,17 |
| VE2XFC | Identifiler® Plus | | | | | | |
| | 4e | - | 17,22,23,25 | - | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | - | - | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | - | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | - | - | - | 9,9.3,10 | 8,11 | 14,16,17 |
| VFJP6P | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | | 9,9.3,10 | 8,11 | 14,16,17 |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|------------------------------|-------------------|-----------------|----------|------------|-----------------|-----------------|
| VKB7AM | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| VP7QAD | Identifiler® Plus | | | | | | |
| | 4e | NT | 17,22,23,25 | NT | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | NT | NT | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | NT | X,Y | 10,11,12,14 | 20,21,22,23 |
| | NT | NT | NT | 9,9.3,10 | 8,11 | 14,16,17 | |
| VQFTZH | PowerPlex® 16 HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,13 |
| | | 11,12,16,17 | | | 12,13 | 9,12 | 13,15,16,17 |
| | | | 28,32.2 | | X,Y | 10,11,12,14 | 22,23* |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16* | |
| VUEA97 | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| VWLK9F | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23],[25] | | [15],16,16 | 11,12 | 9,[11],13 |
| | | 12,[16],17 | | | [8],12,13 | 9,9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,[31.2],32.2 | | X,X,[Y] | 10,[11],[12],14 | [20],22,23 |
| | | | | 9,3,9.3 | 8,8,[11] | [14],16,16,[17] | |
| VWLPHJ | PowerPlex® HS, MiniFiler | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |
| VX2YKV | Identifiler® Plus, MiniFiler | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|--------------------------|---------------|----------------|--------------|-----------|------------------|-----------------|
| VXZ3D7 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| VZPD6Y | PowerPlex® HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |
| W2CEJL | PowerPlex® 16 | | | | | | |
| | 4e | | | | [15],16 | 11,12 | 9,[11],13 |
| | | 12,[16],17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | | 28,[31.2],32.2 | | X,[Y] | INC | [20],[21],22,23 |
| | [9],10,11,[13] | 12,[15] | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| W86AT7 | PowerPlex® 16 HS, Fusion | | | | | | |
| | 4e | 11,15,15.3 | 17,22,23,25 | 10,11,14 | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | 12,13,15 | 19,20,22 | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | 15,16 | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |
| W9GYZP | Identifiler® Plus | | | | | | |
| | 4e | NA | 17,22,23,25 | NA | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | NA | NA | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | NA | X,Y | 10,11,12,14,[15] | 20,21,22,23 |
| | NA | NA | NA | 9,9.3,10 | 8,11 | 14,16,17 | |
| WACKRV | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| WCT3DK | Identifiler® Plus | | | | | | |
| | 4e | - | 17,22 | - | 16,16 | 11,12 | 9,13 |
| | | 12,17 | - | - | 12,13 | 9,9 | 13,16 |
| | | 12,13 | 28,32.2 | - | X,X | 10,14 | 22,23 |
| | - | - | - | 9,3,9.3 | 8,8 | 16,16 | |

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

Item 4e - STR Results

| | | | | | | | |
|--------|-----------------------------------|-------------------|--------------|----------|----------|---------------|-----------------|
| WDMTJZ | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| WGBEGG | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| WL8TBX | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,31.2,32.2 | | X,Y | 10,11,[12],14 | [20],21,22,23 |
| | | | | 9,9.3 | 8,[11] | [14],16,[17] | |
| WN82GT | Identifiler Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3 | 8,11 | 14,16,17 | |
| WNDGPN | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| WR8BMP | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,8,11 | 14,16,17 | |
| WYRCU2 | PowerPlex® Fusion, 16 HS y ESX 17 | | | | | | |
| | 4e | 11,15,15.3 | 17,22,23,25 | 10,11,14 | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | 12,13,15 | 19,20,22 | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | 15,16 | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|----------------------------------|-------------------|-----------------|------------------|------------|----------------------|-----------------|
| XAK9DE | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,(23),(25) | | (15),16,16 | 11,12 | 9,(11),13 |
| | | (11),12,(16),17 | | | (8),12,13 | 9,9,(12) | 13,(15),16,(17) |
| | | 12,13,(15.2),(16) | 28,(31.2),32.2 | | X,X,(Y) | 10,(11),(12),14,(15) | (20),(21),22,23 |
| | | | | (9),9.3,9.3,(10) | 8,8,(11) | (14),16,16,(17) | |
| XAQ9MV | PowerPlex® 16 HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| XBEU6K | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| XHXBK2 | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| XJBH94 | ID+ | | | | | | |
| | 4e | | [17],22,23,25 | | [15],16 | 11,12 | 9,11,[13] |
| | | 11,[12],16,[17] | | | 8,12,[13] | 9,12 | 13,15,16,17 |
| | | [12],[13],15.2,16 | 28,31.2,[32.2] | | X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,[11] | 14,16,[17] | |
| XK6GVG | Identifiler® Plus, PowerPlex® 21 | | | | | | |
| | 4e | 15,15.3 | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | 19,20 | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | | 10,11 | 12 | | 9.3 | 8 | 16 |
| XMUTT2 | Identifiler® Plus | | | | | | |
| | 4e | - | 17,22,23,25 | - | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | - | - | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | - | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | - | - | - | 9,9.3,10 | 8,11 | 14,16,17 |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------|-------------------|----------------|--------------|-----------|-------------------|---------------------|
| XRMU72 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| XV6YX6 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | | | 9,9.3 | 8,11 | 14,16,17 | |
| XVNVYJ | PowerPlex® 16 | | | | | | |
| | 4e | | | | [15],16 | 11,12 | 9,[11],[13] |
| | | [11],[12],16,[17] | | | 8,12,[13] | 9,12 | [13],[15],[16],[17] |
| | | | 28,31.2,32.2 | | X,Y | 10,[11],[12],[14] | 20,21,22,23 |
| | 9,[10],11,[13] | [11],12,[15] | | 9,9.3,10 | 8,11 | 14,16,17 | |
| XWD3GU | PowerPlex® 16 | | | | | | |
| | 4e | | | | (15),16 | 11,12 | 9,(11),13 |
| | | (11),12,(16),17 | | | 12,13 | 9,(12) | 13,(15),16,(17) |
| | | | 28,(31.2),32.2 | | X,(Y) | 10,(11),(12),14 | 22,23 |
| | (9),10,11,(13) | (11),12,(15) | | (9),9.3,(10) | 8,(11) | (14),16,(17) | |
| XXNAH3 | PowerPlex® Fusion | | | | | | |
| | 4e | 11,15,15.3 | 17,22,23,25 | 10,11,14 | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | 12,13,15 | 19,20,22 | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15,15.2 | 28,31.2,32.2 | 15,16 | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |
| Y27JDL | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| Y6BD2H | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------------------|-------------------|-------------------|--|------------------|-----------------|-----------------|
| Y72JJU | Identifiler® Identifiler Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | | 9,9.3,10 | 8,11 | 14,16,17 |
| YDLHA3 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | | | | 9,9.3 | 8,11 | 14,16,17 |
| YEULXY | PowerPlex® 16 | | | | | | |
| | 4e | | | | [15],16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | [8],12,[13] | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | [11],12,[15] | | [9],9.3,[10] | 8,[11] | 14,16,17 |
| YFPG48 | Identifiler® | | | | | | |
| | 4e | | 17,22,[23,25] | | [15,16],16,16 | 11,[11],12,[12] | 9,[9,11],13 |
| | | [11],12,[16],17 | | | [8,12],12,13 | 9,9,[12,12] | 13,[15],16,[17] |
| | | 12,13,[15.2,16] | 28,[28,31.2],32.2 | | X,X,[X,Y] | 10,[11,12],14 | [20,21],22,23 |
| | | | | | [9],9.3,9.3,[10] | 8,8,[8,11] | [14],16,16,[17] |
| YFQ8EW | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,[11],13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,[15],16,[17] |
| | | 12,13,[15.2],[16] | 28,31.2,32.2 | | X,Y | 10,11,[12],14 | 20,[21],22,23 |
| | | | | | 9,9.3,10 | 8,[11] | [14],16,[17] |
| YLRHA4 | PowerPlex® 16 | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | 9,10,11,13 | 12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| YQ3QJK | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | | 9,9.3,10 | 8,11 | 14,16,17 |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|----------------------------------|---------------|------------------|----------|-------------|---------------|-------------|
| YR4CLR | PowerPlex® 16 HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| YRJLN2 | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| YYGDUA | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| YYHEC2 | Identifiler® Plus, PowerPlex® HS | | | | | | |
| | 4e | | 17,22 | | 16 | 11,12 | 9,13 |
| | | 12,17 | | | 12,13 | 9 | 13,16 |
| | | 12,13 | 28,32.2 | | X | 10,14 | 22,23 |
| | 10,11 | 12 | | 9.3 | 8 | 16 | |
| YZYCX | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | [15],16,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | [8],12,[13] | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,[31.2],[32.2] | | X,X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,8,[11] | [14],16,[17] | |
| Z2KPR2 | Identifiler® Plus, MiniFiler | | | | | | |
| | 4e | N/A | 17,22,23,25 | N/A | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | N/A | N/A | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | N/A | X,Y | 10,11,12,14 | 20,21,22,23 |
| | N/A | N/A | N/A | 9,9.3,10 | 8,11 | 14,16,17 | |
| Z4QVMB | Identifiler® | | | | | | |
| | 4e | N/A | 17,22,23,25 | N/A | 15,16 | 11,12 | 9,11,[13] |
| | | 11,12,16,17 | N/A | N/A | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,[32.2] | N/A | X,Y | 10,11,12,[14] | 20,21,22,23 |
| | N/A | N/A | N/A | 9,9.3,10 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------|-----------------|-------------------|--------------|-----------|--------------------|-----------------|
| ZADMU4 | PowerPlex® 16 | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |
| ZGD8WY | GlobalFiler | | | | | | |
| | 4e | 11,15,15.3 | 17,22,23,25 | 10,11,14 | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | 12,13,15 | 19,20,22 | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | 15,16 | X,Y | 10,11,12,14,15 | 20,21,22,23 |
| | | | 14,28.2,29.2,30.2 | 9,9.3,10 | 8,11 | 14,16,17 | |
| ZGHKEU | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14,[INC] | 20,21,22,23 |
| | | | | 9,9.3 | 8,11 | 14,16,17 | |
| ZGYLGW | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23,25] | | [15],16 | 11,12 | 9,[11],13 |
| | | 11,12,16,17 | | | [8],12,13 | 9,[12] | 13,[15],16,[17] |
| | | 12,13,[15.2,16] | 28,[31.2],32.2 | | X,[Y] | 10,[11,12],14,[15] | [20,21],22,23 |
| | | | | [9],9.3,[10] | 8,[11] | [14],16,[17] | |
| ZGZJNK | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,[23,25] | | [15],16 | 11,12 | 9,[11],13 |
| | | [11],12,[16],17 | | | [8],12,13 | 9,[12] | 13,15,16,[17] |
| | | 12,13,[15.2,16] | 28,[31.2],32.2 | | X,[Y] | 10,[11,12],14 | 20,[21],22,23 |
| | | | | [9],9.3 | 8,[11] | [14],16,[17] | |
| ZH8YWC | Identifiler® | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| ZH9MBG | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |

TABLE 2

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

Item 4e - STR Results

| | | | | | | | |
|--------|-------------------|---------------|--------------|--|----------|-------------|-------------|
| ZRDQHZ | Identifiler® Plus | | | | | | |
| | 4e | | 17,22,23,25 | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | 12,13,15.2,16 | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | | | | 9,9.3,10 | 8,11 | 14,16,17 |
| ZVHGMU | PowerPlex® 16 HS | | | | | | |
| | 4e | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12,13 | 9,12 | 13,15,16,17 |
| | | | 28,31.2,32.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|--------------|----------------|------------|-----------|--------------|-----------------|
| 23RCU9 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,[12],16 | | | 8,12,[13] | [9],12 | 15,17 |
| | | [12],15.2,16 | 28,31.2 | | X,Y | [10],11,12 | 20,21,[22] |
| | | | | 9,[9.3],10 | 8,11 | 14,17 | |
| 2DD7G3 | Identifiler® Plus | | | | | | |
| | 4sp | n/a | 23,25 | n/a | 15,16 | 11,12 | 9,11 |
| | | 11,16 | n/a | n/a | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | n/a | X,Y | 11,12 | 20,21 |
| | n/a | n/a | n/a | 9,10 | 8,11 | 14,17 | |
| 2GBUQH | Identifiler® | | | | | | |
| | 4sp | N/A | 23,25 | N/A | 15,16 | 11,12 | 9,11 |
| | | 11,16,[17] | N/A | N/A | 8,12,[13] | [9],12 | [13],15,17 |
| | | [12],15.2,16 | 28,31.2,[32.2] | N/A | X,Y | 11,12 | 20,21,[22],[23] |
| | N/A | N/A | N/A | 9,10 | 8,11 | 14,17 | |
| 2JXGD4 | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |
| 2KED4H | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 2RTGTW | Identifiler® | | | | | | |
| | 4sp | | [22],23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12,[13] | [9],12 | 15,17 |
| | | [13],15.2,16 | 28,31.2 | | X,Y | 10,11,12,14 | 20,21 |
| | | | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 2YCR2Q | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | [9],12 | 15,[16],[17] |
| | | | 28,31.2,[32.2] | | X,Y | [11],12,[14] | 20,21 |
| | 9,[11],13 | 11,[12],15 | | 9,9.3,10 | 8,11 | 14,[16],17 | |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|------------------------------|---------|-----------|------|-------|----------|---------|
| 2YYLQ | Identifiler® Plus, MiniFiler | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 37QTYF | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,16,17 | |
| 3APG8A | Identifiler® + | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 3B6D2U | PowerPlex® HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | 11,15 | 9,10 | 8,11 | 14,17 | |
| 3E8ARP | Identifiler® Plus, MiniFiler | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 3H39X8 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,(25) | | 15,16 | 11,12 | 9,11 |
| | | 11,(16) | | | 8,12 | 12 | (15),17 |
| | | 15.2,16 | 28,(31.2) | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 3MCLGR | PowerPlex® 16 HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | 11,15 | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|---------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| 3N84G8 | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 3UTYHB | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 3W34VZ | Identifiler® Plus, MiniFiler | | | | | | |
| | 4sp | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 436HBA | Identifiler® | | | | | | |
| | 4sp | - | No result | - | No result | No result | No result |
| | | No result | - | - | No result | 12 | No result |
| | | No result | No result | - | No result | No result | No result |
| | | | | No result | No result | No result | |
| 49EKRW | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 4AQJJK | PowerPlex® HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |
| 4EKG CW | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|------------------------------|-----------------|----------------|------------|-----------|-----------------|-----------------|
| 4FRP8B | Identifiler® , MiniFiler | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | | 14,17 |
| 4JX44G | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11,[13] |
| | | 11,[12],16,[17] | | | 8,12,[13] | [9],12 | [13],15,[16],17 |
| | | | 28,31.2,[32.2] | | X,Y | [10],11,12,[14] | 20,21,[22],[23] |
| | 9,[10],[11],13 | 11,12,15 | | 9,[9.3],10 | 8,11 | 14,16,17 | |
| 4LXAK8 | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | | 14,17 |
| 4NKXW8 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | | 14,17 |
| 4QDW2X | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11,13 |
| | | 11,12,16,17 | | | 8,12 | 9,12 | 13,15,16,17 |
| | | | 28,31.2 | | X,Y | 10,11,12,14 | 20,21,22,23 |
| | 9,10,11,13 | 11,12,15 | | 9,9.3,10 | 8,11 | 14,16,17 | |
| 4ZLC6K | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | | 14,17 |
| 64EX6M | Identifiler® Plus, MiniFiler | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | | 14,17 |

| WebCode | Item | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|-------------------------------|-------------------|--|--|---------------------------------------|--|-------------------------------------|--------------------------------|
| Item 4sp - STR Results | | | | | | | |
| 64FJW9 | Profiler® Plus | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | | 15,17 |
| | | | 28,31.2 | | X,Y | | 20,21 |
| | | | | | | | 14,17 |
| 6649YZ | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| 6ALGED | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| 6JL2M8 | Identifiler Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2,(32.2) | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| 6LBCH7 | Identifiler® | | | | | | |
| | 4sp | N/A | [17],[22],23,25 | N/A | 15,16 | 11,12 | 9,11 |
| | | 11,[12],16,[17] | N/A | N/A | 8,12 | [9],12 | 15,[16],17 |
| | | [12],15.2,16 | 28,31.2,[32.2] | N/A | X,Y | [10],11,12,[14] | 20,21,[22] |
| | | N/A | N/A | N/A | 9,[9.3],10 | 8,11 | 14,[16],17 |
| 6LWUPL | PowerPlex® 16 HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 6N2H8X | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|--------------|------------------|----------|-----------|-----------|-----------|
| 6NF3LZ | PowerPlex® Fusion | | | | | | |
| | 4sp | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 6NNQHM | Identifiler Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 6NZLPL | Profiler® Plus | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | | 15,17 |
| | | | 28,31.2 | | X,Y | | 20,21 |
| | | | | | | 14,17 | |
| 6QPXG6 | Identifiler® | | | | | | |
| | 4sp | | 23,25,[-] | | 15,16,[-] | 11,12,[-] | 9,11,[-] |
| | | 11,16,[17,-] | | | 8,12,[-] | 12,[-] | 15,17,[-] |
| | | 15.2,16,[-] | 28,31.2,[32.2,-] | | X,Y | 11,12,[-] | 20,21,[-] |
| | | | | 9,10,[-] | 8,11,[-] | 14,17,[-] | |
| 6QQNRU | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 6RKJ8B | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 6TYV3A | Globalfiler | | | | | | |
| | 4sp | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | Inc | 15,15 | X,Y | 11,12 | 20,21 |
| | | | 29.2,30.2 | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|----------|---------|----------|-------|------------|-------|
| 769YTP | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | [9],12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | [10],11,12 | 20,21 |
| | | | | 9,10 | 8,11 | | 14,17 |
| 7C8KKP | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | | 14,17 |
| 7MP66L | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | [9],12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | | 14,17 |
| 7QMQRH | PowerPlex® HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | | 14,17 |
| 7TCQC9 | PowerPlex® 21 | | | | | | |
| | 4sp | 11,15 | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16,17 | | 19,20,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | | 14,17 |
| 7TPKGM | Identifiler® Plus | | | | | | |
| | 4sp | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | - | - | - | 9,10 | 8,11 | | 14,17 |
| 7Y6RF8 | PowerPlex® 21 | | | | | | |
| | 4sp | 11,15 | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | | 14,17 |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|------------------------------|---------|---------|-----------|-------|-------|-------|
| 84PBV3 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 87CVXQ | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 887XA9 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 8AV6U6 | Identifiler® Plus, MiniFiler | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 8F4EAD | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 8HAY2K | PowerPlex® 16 HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |
| 8HP839 | Globalfiler | | | | | | |
| | 4sp | 11,15 | inc | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | 11,12 | 20,21 |
| | | | | 29.2,30.2 | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|-------|-------|-------|-------|
| 8MGME1 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 8NA8FZ | PowerPlex® Fusion | | | | | | |
| | 4sp | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | NT | 9,10 | 8,11 | 14,17 | |
| 8RRKZM | PowerPlex® 16 HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |
| 8W4FUY | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 8W6GQH | PowerPlex® 16 HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |
| 8XM6DJ | PowerPlex® 16 HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |
| 8YR8Q2 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-----------------------|--------------|------------|-------|-----------|------------|-------|
| 98679J | PowerPlex® 16 HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 9AUFFZ | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 9B6ECU | PowerPlex® Fusion, HS | | | | | | |
| | 4sp | 11,15,[15.3] | [17],23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,[12],16 | 12,[13],15 | 19,22 | 8,12,[13] | [9],12 | 15,17 |
| | | [12],15.2,16 | 28,31.2 | 15 | X,Y | 11,12,[14] | 20,21 |
| | | 9,[11],13 | 11,[12],15 | | 9,10 | 8,11 | 14,17 |
| 9C2QEN | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 9CZZ4Z | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 9F2YKK | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| 9JV6VF | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

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

Item 4sp - STR Results

| | | | | | | | |
|--------|------------------------------|---------|---------|-----------|-------|-------|-------|
| 9L8V76 | PowerPlex® 21 system kit | | | | | | |
| | 4sp | 11,15 | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| 9QVGTX | Globalfiler | | | | | | |
| | 4sp | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | 11,12 | 20,21 |
| | | | | 29.2,30.2 | 9,10 | 8,11 | 14,17 |
| 9TH76X | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| 9UVQYT | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| A8ZDMG | Identifiler® Plus, MiniFiler | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| AAPPFV | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| AGRH2C | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-----------------------|---------|---------|------|-------|-------|-------|
| AHFAJ8 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| AKP8YB | Identifiler[sic] Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| ALH2YZ | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| AR7JGH | PP16 HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| ATZ8XR | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| AZEFW9 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| B236PZ | Identifiler® Plus | | | | | | |
| | 4sp | n/a | 23,25 | n/a | 15,16 | 11,12 | 9,11 |
| | | 11,16 | n/a | n/a | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | n/a | X,Y | 11,12 | 20,21 |
| | | n/a | n/a | n/a | 9,10 | 8,11 | 14,17 |

| WebCode | Item | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|-------------------------------|-------------------|--|--|---------------------------------------|--|-------------------------------------|--------------------------------|
| Item 4sp - STR Results | | | | | | | |
| B2HLKT | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| B8GMFH | PowerPlex® 16 HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| B8UE4T | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| BAKKM4 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| BDZ3Q8 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| BEUKZV | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| BF32NT | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|--------------------------|-----------------|----------------|------------|-------|------------|------------|
| BJLU42 | PowerPlex® HS, MiniFiler | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| BN2DDV | Globalfiler | | | | | | |
| | 4sp | 11,15 | 23,25 | [10],11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,[12],16 | 12,15 | 19,22 | 8,12 | [9],12,12 | [13],15,17 |
| | | [12,13],15.2,16 | 28,31.2,[32.2] | 15,15 | X,Y | 11,12 | 20,21,[22] |
| | | | 29.2,30.2 | 9,10 | 8,11 | 14,[16],17 | |
| BQN2PW | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| BTYPG9 | Identifiler® | | | | | | |
| | 4sp | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | - | - | - | 9,10 | 8,11 | 14,17 | |
| C3ECCT | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| C8CPHR | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| CE9GWM | Identifiler® Plus | | | | | | |
| | 4sp | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | - | - | - | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|---|-------|-------|-------|
| CHQQUQ | Identifiler® Plus | | | | | | |
| | 4sp | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | - | 9,10 | 8,11 | 14,17 |
| CHTCRR | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| CL94FZ | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| CRF9TT | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| D3DT9Q | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| D9ZF6G | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| DCE82C | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|------|-------|-------|-------|
| DCWD8T | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| DDCDQH | PowerPlex® 16 HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| DNTD37 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| DQZLEC | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| DUYVHY | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| DW2XYM | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| DXJTWG | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|--|---------|------------|-----------|-------|------------|------------|
| EBQW2B | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| EC9CVB | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| EE3V7P | Identifiler® Identifiler Plus, MiniFiler | | | | | | |
| | 4sp | NT | 23,25 | NT | 15,16 | 11,12 | 9,11 |
| | | 11,16 | NT | NT | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | NT | X,Y | 11,12 | 20,21 |
| | | NT | NT | NT | 9,10 | 8,11 | 14,17 |
| EH3CCR | Identifiler® Plus | | | | | | |
| | 4sp | NA | [22],23,25 | NA | 15,16 | 11,12 | 9,11 |
| | | 11,16 | NA | NA | 8,12 | 12 | 15,[16],17 |
| | | 15.2,16 | 28,31.2 | NA | X,Y | [10],11,12 | 20,21 |
| | | NA | NA | NA | 9,10 | 8,11 | 14,[16],17 |
| EP326C | PowerPlex® 16HS, ESX17 | | | | | | |
| | 4sp | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | 29.2,30.2 | 9,10 | 8,11 | 14,17 |
| EU3LCM | Identifiler Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| EUYDVM | Identifiler® Plus | | | | | | |
| | 4sp | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | - | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|------|-------|-------|-------|
| EW2B7F | PowerPlex® HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| EXFL9E | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| EZ34FE | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| F7NF48 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| FGJRZT | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| FHHXCL | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| G3NNB2 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|------|-------|-------|-------|
| G4DVTC | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| G6L7CA | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| GR3MQK | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| GTU7Q | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| H4RQP4 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| HAWPZU | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| HAXDLE | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|-------------|----------|------|---------|-------|-------|
| HAXFBH | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| HFNUVJ | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| HKEDQM | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| HMLFTK | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | 11,15 | | 9,10 | 8,11 | 14,17 |
| HPTW33 | Identifiler® Plus | | | | | | |
| | 4sp | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | | - | 9,10 | 8,11 | 14,17 | |
| HU8JTZ | Identifiler® Plus | | | | | | |
| | 4sp | | 17,23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16,17 | | | 8,12,13 | 9,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| HVGKX8 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,12,16,17 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|-------------------|------------------|--------------|-------------|-------------|-----------------|
| HVUALR | Identifiler® Plus | | | | | | |
| | 4sp | NT | 23,25 | NT | 15,16 | 11,12 | 9,11 |
| | | 11,16 | NT | NT | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | NT | X,Y | 11,12 | 20,21 |
| | NT | NT | NT | 9,10 | 8,11 | 14,17 | |
| HXX3JW | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| HYHHFM | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| J2C3CH | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| J2Z4H9 | Identifiler® Plus | | | | | | |
| | 4sp | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | - | - | - | 9,10 | 8,11 | 14,17 | |
| J628AV | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| JFECFR | PowerPlex® Fusion | | | | | | |
| | 4sp | [11],15,[15.3] | 17,[22],23,[25] | [10],[11],14 | [15],16 | 11,12 | 9,11,[13] |
| | | 11,[12],16,[17] | 12,[13],15 | 19,[20],[22] | [8],12,[13] | [9],12 | 13,[15],[16],17 |
| | | [12],[13],15.2,16 | 28,[31.2],[32.2] | 15,[16] | X,[Y] | 10,11,12,14 | 20,21,22,23 |
| | 9,[10],[11],13 | [11],12,[15] | | 9,9.3,[10] | 8,[11] | 14,16,17 | |

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|------|-------|-------|-------|
| JPR8RD | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| JRAHCB | Identifiler® Plus | | | | | | |
| | 4sp | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| JT62FX | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| JW3JFB | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| K42NKY | Identifiler® | | | | | | |
| | 4sp | N/A | 23,25 | N/A | 15,16 | 11,12 | 9,11 |
| | | 11,16 | N/A | N/A | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | N/A | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| K8XC4R | Profiler® Plus | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | | 15,17 |
| | | | 28,31.2 | | X,Y | | 20,21 |
| | | | | | | 14,17 | |
| K9CPWV | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|-------|---------|-------|--------|
| K9RXUX | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | | 14,17 |
| K9YTTC | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | | 14,17 |
| KA4TGP | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | | 14,17 |
| KALNZC | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | | 14,17 |
| KAMLB8 | Essplex Plus | | | | | | |
| | 4sp | 11,15 | 23,25 | 11,14 | 15,16 | | |
| | | 11,16 | 12,15 | 19,22 | | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | | 20,21 |
| | | | | 9,10 | | | 14,17 |
| KBH2M6 | PowerPlex® 16 | | | | | | |
| | 4sp | | | | [15],16 | 11,12 | 9,[11] |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | | 14,17 |
| KBH6D9 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | | 14,17 |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-----------------------|-----------------|----------------|------------|------------|-----------------|-----------------|
| KDB2UF | PowerPlex® HS, Fusion | | | | | | |
| | 4sp | 11,15 | [17],23,25 | [10],11,14 | 15,16 | 11,12 | 9,11,[13] |
| | | 11,[12],16 | 12,[13],15 | 19,[20],22 | 8,12,[13] | [9],12 | [13],15,[16],17 |
| | | 15.2,16 | 28,31.2,[32.2] | 15 | X,Y | [10],11,12,[14] | 20,21 |
| | | 9,[10],13 | 11,[12],15 | | 9,10 | 8,11 | 14,[16],17 |
| KE7FKE | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| KJYNPL | PowerPlex® | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| KKLEHD | Identifiler® Plus | | | | | | |
| | 4sp | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | 9,10 | 8,11 | 14,17 | |
| KPDZL | Identifiler Plus | | | | | | |
| | 4sp | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | 9,10 | 8,11 | 14,17 | |
| KU3WCY | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| KXH8NG | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11,[13] |
| | | 11,[12],16,[17] | | | 8,12,[13] | [9],12 | [13],15,[16],17 |
| | | | 28,31.2,[32.2] | | X,Y | [10],11,12,[14] | 20,21,[22],[23] |
| | | 9,[10],[11],13 | 11,[12],15 | | 9,[9.3],10 | 8,11 | 14,[16],17 |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|------------------------------|---------|---------|-----|-------|-------|-------|
| L2TLM8 | Identifiler® Plus, MiniFiler | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| L4VTEY | Identifiler® | | | | | | |
| | 4sp | N/A | 23,25 | N/A | 15,16 | 11,12 | 9,11 |
| | | 11,16 | N/A | N/A | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | N/A | X,Y | 11,12 | 20,21 |
| | | N/A | N/A | N/A | 9,10 | 8,11 | 14,17 |
| L6WDV8 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| L9PLTM | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| L9U6HB | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| LA7T3B | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| LAR3H8 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------------------|------------|------------|---------|-----------|------------|------------|
| LEHMWM | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | | 14,17 |
| LLY7AU | Identifiler® Identifiler Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | | 14,17 |
| LPETQK | GlobalFiler | | | | | | |
| | 4sp | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | 11,12 | 20,21 |
| | | | 29.2,30.2 | 9,10 | 8,11 | | 14,17 |
| LPYEGP | Identifiler® | | | | | | |
| | 4sp | N/A | [22],23,25 | N/A | 15,16 | 11,12 | 9,11,[13] |
| | | 11,16,[17] | N/A | N/A | 8,12,[13] | [9],12 | 15,17 |
| | | 15.2,16 | 28,31.2 | N/A | X,Y | [10],11,12 | 20,21 |
| | N/A | N/A | N/A | 9,10 | 8,11 | | 14,[16],17 |
| LR6XJR | PowerPlex® Fusion | | | | | | |
| | 4sp | 11,15 | 23,25 | [11],14 | 15,16 | 11,12 | 9,11,[13] |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,16 | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | | 14,17 |
| LR6Z9W | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | | 14,17 |
| LTZHAX | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | | 14,17 |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-----------------------------|---------|---------|------|-----------|-------|-------|
| LUGJLZ | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| LWHQKJ | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,13 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| M4XRG8 | COfiler® and Profiler Plus® | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| M98P9Z | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| MD6BZ3 | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| MDLME2 | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12,[13] | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| MN9GZW | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|-------|-------|-------|-------|
| MP33R3 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| MXBWKA | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| N6Y9ZU | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| NDW9Q4 | PowerPlex® FUSION | | | | | | |
| | 4sp | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |
| NFXU3 | Identifiler Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| NGGTC6 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| NLPBED | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|--------------------------|---------|---------|------|-------|------------|-------|
| NTCU69 | PowerPlex® 16 HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| NTRPF2 | Identifiler Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,[16],17 | |
| NUNNRZ | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| NW9MUW | Identifiler® | | | | | | |
| | 4sp | N/A | 23,25 | N/A | 15,16 | 11,12 | 9,11 |
| | | 11,16 | N/A | N/A | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | N/A | X,Y | 11,12 | 20,21 |
| | | | N/A | 9,10 | 8,11 | 14,17 | |
| P2J4WX | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| P2KQMK | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| P7QNNC | Identifiler® , MiniFiler | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|------|-------|-------|-------|
| PDBNEA | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| PHNBBZ | PowerPlex® 16 HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |
| PJXFL4 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| PJYFKH | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |
| PKT2BN | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| PPL3FM | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| PTP2QF | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-----------------------------|---------|---------|-----------|-------|-------|-------|
| Q2QU8L | COfiler® and Profiler Plus® | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | | 15,17 |
| | | | 28,31.2 | | X,Y | | 20,21 |
| | | | | | | | 14,17 |
| QDT7QU | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| QFDZLA | Identifiler® Plus | | | | | | |
| | 4sp | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | - | 9,10 | 8,11 | 14,17 |
| QGEGBU | Identifiler® | | | | | | |
| | 4sp | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | - | 9,10 | 8,11 | 14,17 |
| QK8ZGW | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| QKRHYK | PowerPlex® ESIFast | | | | | | |
| | 4sp | 11,15 | 23,25 | 11,14 | 15,16 | | |
| | | 11,16 | 12,15 | 19,22 | | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15,15 | X,Y | | 20,21 |
| | | | | 29.2,30.2 | 9,10 | | 14,17 |
| QP4C74 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|----------------------------------|-------------------|-----------------|-------|------------|-----------------|-----------------|
| QPXDHK | Identifiler® | | | | | | |
| | 4sp | N/A | [17],[22],23,25 | N/A | 15,16 | 11,12 | 9,11,[13] |
| | | 11,[12],16,[17] | N/A | N/A | 8,12,[13] | [9],12 | [13],15,[16],17 |
| | | [12],[13],15.2,16 | 28,31.2,[32.2] | N/A | X,Y | [10],11,12,[14] | 20,21,[22],23 |
| | | N/A | N/A | N/A | 9,[9.3],10 | 8,[11] | 14,16,17 |
| QQYU86 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| QW36RH | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| R3MFQ6 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| R4URE9 | Identifiler® Plus, PowerPlex® HS | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| RAL689 | PowerPlex® 16 HS, Fusion | | | | | | |
| | 4sp | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | [9],12 | 15,[16],17 |
| | | 15.2,16 | 28,31.2,[32.2] | 15 | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,[16],17 | |
| RBGGA4 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

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

Item 4sp - STR Results

| | | | | | | | |
|--------|---------------------|---------|---------|------|-------|-------|-------|
| RFRLTQ | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| RH3GJP | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| RR4X4Z | Profiler® Plus | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | | 15,17 |
| | | | 28,31.2 | | X,Y | | 20,21 |
| | | | | | | 14,17 | |
| RTHBYN | PowerPlex® HotStart | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |
| RVPNKW | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| T6EUWU | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| TBF6UL | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|------|-------|-------|-------|
| TBF9C4 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| TBYWX6 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| TG27ZQ | ID+ | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| THDYNE | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| TM7XDV | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| TMNVML | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| TPCLFD | Identifiler® Plus | | | | | | |
| | 4sp | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|------|-------|-------|-------|
| TTTWLV | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| TVZWZA | Identifiler® Plus | | | | | | |
| | 4sp | NA | 23,25 | NA | 15,16 | 11,12 | 9,11 |
| | | 11,16 | NA | NA | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | NA | X,Y | 11,12 | 20,21 |
| | | NA | NA | NA | 9,10 | 8,11 | 14,17 |
| TZC62E | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| U9MJRM | PowerPlex® 16 HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| UET3ZN | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| UGKACX | PowerPlex® 16 HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| UJ9LAH | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

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

Item 4sp - STR Results

| | | | | | | | |
|--------|----------------------|---------|-----------|-------|-------|-------|-------|
| UJKNC9 | Identifiler® Plus | | | | | | |
| | 4sp | n/a | 23,25 | n/a | 15,16 | 11,12 | 9,11 |
| | | 11,16 | n/a | n/a | 8,12 | 12,12 | 15,17 |
| | | 15,2,16 | 28,31.2 | n/a | X,Y | 11,12 | 20,21 |
| | | n/a | n/a | n/a | 9,10 | 8,11 | 14,17 |
| ULVALH | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15,2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| UM6837 | Identifiler® ID Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15,2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| UNFHAA | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15,2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| UW7BRV | GlobalFiler | | | | | | |
| | 4sp | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15,2,16 | 28,31.2 | 15,15 | X,Y | 11,12 | 20,21 |
| | | | 29,2,30.2 | 9,10 | 8,11 | 14,17 | |
| UXQB9K | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15,2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| UY2BB7 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15,2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|------|-------|-------|-------|
| UYE22C | Identifiler® Plus | | | | | | |
| | 4sp | n/t | 23,25 | n/t | 15,16 | 11,12 | 9,11 |
| | | 11,16 | n/t | n/t | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | n/t | X,Y | 11,12 | 20,21 |
| | | n/t | n/t | nt | 9,10 | 8,11 | 14,17 |
| UZRNL | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| V9ZLV2 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| VB4EFY | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| VCYXJL | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| VDTNPZ | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| VE2XFC | Identifiler® Plus | | | | | | |
| | 4sp | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | - | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|--------------------------|---------|---------|------|-------|-------|-------|
| VFJP6P | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| VKB7AM | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| VP7QAD | Identifiler® Plus | | | | | | |
| | 4sp | NT | 23,25 | NT | 15,16 | 11,12 | 9,11 |
| | | 11,16 | NT | NT | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | NT | X,Y | 11,12 | 20,21 |
| | | | NT | 9,10 | 8,11 | 14,17 | |
| VQFTZH | PowerPlex® 16 HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | 11,15 | | 9,10 | 8,11 | 14,17 |
| VUEA97 | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| VWLK9F | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| VWLPJH | PowerPlex® HS, MiniFiler | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | 11,15 | | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|------------------------------|---------|---------|-------|-------|-------|-------|
| VX2YKV | Identifiler® Plus, MiniFiler | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| VXZ3D7 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| VZPD6Y | PowerPlex® HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| W2CEJL | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| W86AT7 | PowerPlex® 16 HS, Fusion | | | | | | |
| | 4sp | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| W9GYZP | Identifiler® Plus | | | | | | |
| | 4sp | NA | 23,25 | NA | 15,16 | 11,12 | 9,11 |
| | | 11,16 | NA | NA | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | NA | X,Y | 11,12 | 20,21 |
| | | NA | NA | NA | 9,10 | 8,11 | 14,17 |
| WACKRV | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|------|-------|-------|-------|
| WCT3DK | Identifiler® Plus | | | | | | |
| | 4sp | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | - | 9,10 | 8,11 | 14,17 |
| WDMTJZ | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| WGBEGG | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| WL8TBX | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| WN82GT | Identifiler Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| WNDGPN | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| WR8BMP | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-----------------------------------|-------------------|------------|-------|-----------|-----------------|-----------|
| WYRCU2 | PowerPlex® Fusion, 16 HS y ESX 17 | | | | | | |
| | 4sp | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| XAK9DE | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| XAQ9MV | PowerPlex® 16 HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| XBEU6K | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| XHXBK2 | Identifiler® | | | | | | |
| | 4sp | | [22],23,25 | | 15,16 | 11,12 | 9,11,[13] |
| | | 11,[12],16 | | | 8,12,[13] | [9],12 | 15,17 |
| | | [12],[13],15.2,16 | 28,31.2 | | X,Y | [10],11,12,[14] | 20,21 |
| | | | | | 9,10 | 8,11 | 14,16,17 |
| XJBH94 | ID+ | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| XK6GVG | Identifiler® Plus, PowerPlex® 21 | | | | | | |
| | 4sp | 11,15 | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|-------|-------|-------|-------|
| XMUTT2 | Identifiler® Plus | | | | | | |
| | 4sp | - | 23,25 | - | 15,16 | 11,12 | 9,11 |
| | | 11,16 | - | - | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | - | X,Y | 11,12 | 20,21 |
| | | - | - | - | 9,10 | 8,11 | 14,17 |
| XRMU72 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| XV6YX6 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| XVNVYJ | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |
| XWD3GU | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |
| XXNAH3 | PowerPlex® Fusion | | | | | | |
| | 4sp | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |
| Y27JDL | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------------------|---------|---------|------|-------|-------|-------|
| Y6BD2H | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| Y72JJU | Identifiler® Identifiler Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| YDLHA3 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| YEULXY | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |
| YFPG48 | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| YFQ8EW | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| YLRHA4 | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 | |

TABLE 2

| WebCode | Item | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|-------------------------------|----------------------------------|--|--|---------------------------------------|--|-------------------------------------|--------------------------------|
| Item 4sp - STR Results | | | | | | | |
| YQ3QJK | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| YR4CLR | PowerPlex® 16 HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| YRJLN2 | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| YYGDUA | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| YYHEC2 | Identifiler® Plus, PowerPlex® HS | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| YZYCYX | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| Z2KPR2 | Identifiler® Plus, MiniFiler | | | | | | |
| | 4sp | N/A | 23,25 | n/a | 15,16 | 11,12 | 9,11 |
| | | 11,16 | n/a | n/a | 8,12 | 12,12 | 15,17 |
| | | 15.2,16 | 28,31.2 | N/A | X,Y | 11,12 | 20,21 |
| | | N/A | N/A | N/A | 9,10 | 8,11 | 14,17 |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|---------|-----------|-------|-------|-------|-----------|
| Z4QVMB | Identifiler® | | | | | | |
| | 4sp | N/A | 23,25 | N/A | 15,16 | 11,12 | 9,11 |
| | | 11,16 | N/A | N/A | 8,12 | 12,12 | 15,17 |
| | | 15,2,16 | 28,31.2 | N/A | X,Y | 11,12 | 20,21 |
| | | N/A | N/A | N/A | 9,10 | 8,11 | 14,17 |
| ZADMU4 | PowerPlex® 16 | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |
| ZGD8WY | GlobalFiler | | | | | | |
| | 4sp | 11,15 | 23,25 | 11,14 | 15,16 | 11,12 | 9,11 |
| | | 11,16 | 12,15 | 19,22 | 8,12 | 12,12 | 15,17 |
| | | 15,2,16 | 28,31.2 | 15 | X,Y | 11,12 | 20,21 |
| | | | 29.2,30.2 | 9,10 | 8,11 | 14,17 | |
| ZGHKEU | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,[11] |
| | | 11,16 | | | 8,12 | 12 | [15],[17] |
| | | 15,2,16 | 28,31.2 | | X,Y | 11,12 | [20],[21] |
| | | | | 9,10 | 8,11 | 14,17 | |
| ZGYLGW | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15,2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| ZGZJNK | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15,2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |
| ZH8YWC | Identifiler® | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | 15,2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | 9,10 | 8,11 | 14,17 | |

TABLE 2

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

Item 4sp - STR Results

| | | | | | | | |
|--------|-------------------|---------|---------|--|-------|-------|-------|
| ZH9MBG | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15,2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| ZRDQHZ | Identifiler® Plus | | | | | | |
| | 4sp | | 23,25 | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12,12 | 15,17 |
| | | 15,2,16 | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | | | | 9,10 | 8,11 | 14,17 |
| ZVHGMU | PowerPlex® 16 HS | | | | | | |
| | 4sp | | | | 15,16 | 11,12 | 9,11 |
| | | 11,16 | | | 8,12 | 12 | 15,17 |
| | | | 28,31.2 | | X,Y | 11,12 | 20,21 |
| | | 9,13 | 11,15 | | 9,10 | 8,11 | 14,17 |

Amplification Kit(s) & YSTR Results

TABLE 3

| WebCode | Item | DYS19 DYS437 DYS549 | DYS385 DYS438 DYS570 | DYS389-I DYS439 DYS576 | DYS389-II DYS448 DYS635 | DYS390 DYS456 DYS643 | DYS391 DYS458 Y GATA H4 | DYS392 DYS481 Y Indel | DYS393 DYS533 |
|------------------------------|----------------------|---------------------------|----------------------------|------------------------------|-------------------------------|----------------------------|-------------------------------|-----------------------------|------------------|
| Item 1 - YSTR Results | | | | | | | | | |
| 436HBA | Yfiler® 1 | 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 | Not tested | Not tested | Not tested | Not tested | Not tested | Not tested |
| 766AFR | Yfiler® 1 | NR | NR, NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | NR | NR |
| | | | | | NR | | NR | | |
| 8HP839 | Globalfiler 1 | | | | | | NA | | |
| | | | | | | | | NA | |
| 9B6ECU | PowerPlex® Y 23 1 | NR | NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | NR | NR |
| ALH2YZ | Yfiler® 1 | NR | NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | NR | NR |
| | | | | | NR | | NR | | |
| CE9GWM | Yfiler® 1 | - | - | - | - | - | - | - | - |
| | | - | - | - | - | - | - | - | - |
| | | - | - | - | - | - | - | - | - |
| EE3V7P | Yfiler® 1 | NR | NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | NR | NT |
| | | NT | NT | NT | NR | NT | NR | NT | NT |
| EU3LCM | Yfiler® 1 | NR | NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | NR | NR |
| | | | | | NR | | NR | | |
| F6UQM8 | Yfiler® 1 | - | - | - | - | - | - | - | - |
| | | - | - | - | - | - | - | - | - |
| | | - | - | - | - | - | - | - | - |

TABLE 3

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

Item 1 - YSTR Results

| | | | | | | | | | |
|--------|-----------------|---|----|-------|----|----|----|----|----|
| G3NNB2 | Yfiler® | 1 | NR | NR | NR | NR | NR | NR | NR |
| | | | NR | NR | NR | NR | NR | NR | NR |
| | | | | | | NR | | NR | |
| HYHHFM | Yfiler® | 1 | NR | NR | NR | NR | NR | NR | NR |
| | | | NR | NR | NR | NR | NR | NR | NR |
| | | | | | | NR | | NR | |
| JAV7L7 | Yfiler® | 1 | - | - | - | - | - | - | - |
| | | | - | - | - | - | - | - | - |
| | | | - | - | - | - | - | - | - |
| KDB2UF | PowerPlex® Y 23 | 1 | NR | NR | NR | NR | NR | NR | NR |
| | | | NR | NR | NR | NR | NR | NR | NR |
| | | | NR | NR | NR | NR | NR | NR | NR |
| KKLEHD | Yfiler® | 1 | - | - | - | - | - | - | - |
| | | | - | - | - | - | - | - | - |
| | | | - | - | - | - | - | - | - |
| N7TY7A | Yfiler® | 1 | NR | NR | NR | NR | NR | NR | NR |
| | | | NR | NR | NR | NR | NR | NR | NR |
| | | | | | | NR | | NR | |
| RAL689 | PowerPlex® Y 23 | 1 | NR | NR | NR | NR | NR | NR | NR |
| | | | NR | NR | NR | NR | NR | NR | NR |
| | | | NR | NR | NR | NR | NR | NR | NR |
| TZRBG4 | Yfiler® | 1 | NR | NR,NR | NR | NR | NR | NR | NR |
| | | | NR | NR | NR | NR | NR | NR | NR |
| | | | | | | NR | | NR | |
| W86AT7 | PowerPlex® Y 23 | 1 | NR | NR | NR | NR | NR | NR | NR |
| | | | NR | NR | NR | NR | NR | NR | NR |
| | | | NR | NR | NR | NR | NR | NR | NR |
| XFTE8Z | Yfiler® | 1 | NR | NR,NR | NR | NR | NR | NR | NR |
| | | | NR | NR | NR | NR | NR | NR | NR |
| | | | | | | NR | | NR | |

TABLE 3

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

Item 1 - YSTR Results

| | | | | | | | | | |
|--------|---------|-----|-----|-----|----|-----|----|-----|-----|
| XMUTT2 | Yfiler® | | | | | | | | |
| | 1 | - | - | - | - | - | - | - | - |
| | | - | - | - | - | - | - | - | - |
| <hr/> | | | | | | | | | |
| Z2KPR2 | Yfiler® | | | | | | | | |
| | 1 | NR | NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | | N/A | N/A | N/A | NR | N/A | NR | N/A | |

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

Item 2 - YSTR Results

| | | | | | | | | | |
|--------|-------------------------|----|-------|----|----|----|----|----|----|
| 2KED4H | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 2RTGTW | 2 | | | | | | 11 | | |
| | | | | | | | | 2 | |
| | | | | | | | | | |
| 2YCR2Q | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| | | | | | | | | | |
| 2YYYLQ | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| | | | | | | | | | |
| 37QTYF | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| | | | | | | | | | |
| 3APG8A | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| | | | | | | | | | |
| 3B6D2U | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| | | | | | | | | | |
| 3E8ARP | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| | | | | | | | | | |
| 3H39X8 | PowerPlex® Y PPY23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| | | | | | | | | | |
| 3MCLGR | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| | | | | | | | | | |

TABLE 3

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

Item 2 - YSTR Results

| | | | | | | | | | |
|--------|----------------------|----|-------|----|----|----|----|----|----|
| 436HBA | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | - | - | - | 23 | - | 12 | - | - |
| 4AQJKK | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 4EKGCW | PowerPlex® Y 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | | | | | |
| | | | | | | | | | |
| 4FRP8B | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 4JX44G | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 4NKXW8 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 64EX6M | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 6JL2M8 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 6LWUPL | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 6N2H8X | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |

TABLE 3

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

Item 2 - YSTR Results

| | | | | | | | | | |
|--------|----------------------|----|-------|----|----|----|----|----|----|
| 6NF3LZ | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 6NZLPL | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 6QPXG6 | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 6QQNRU | PowerPlex® Y 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | | | | | |
| 6TYV3A | 2 | | | | | | 11 | | |
| | | | | | | | | 2 | |
| 766AFR | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 7AEQQ2 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 7QMQRH | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 7TCQC9 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 7TPKGM | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | - | - | - | 23 | - | 12 | - | - |

TABLE 3

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

Item 2 - YSTR Results

| | | | | | | | | | |
|--------|-----------------------|----|-------|----|----|----|----|----|----|
| 7Y6RF8 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 887XA9 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 8AV6U6 | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 8F4EAD | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 8HAY2K | PowerPlex® Y Y23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 8HP839 | Globalfiler 2 | | | | | | 11 | | |
| | | | | | | | | 2 | |
| 8MGME1 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 8NA8FZ | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | NT | NT |
| | | NT | NT | NT | 23 | NT | 12 | NT | |
| 8RRKZM | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 8TJNM3 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |

TABLE 3

| WebCode | Item | DYS19 DYS437 DYS549 | DYS385 DYS438 DYS570 | DYS389-I DYS439 DYS576 | DYS389-II DYS448 DYS635 | DYS390 DYS456 DYS643 | DYS391 DYS458 Y GATA H4 | DYS392 DYS481 Y Indel | DYS393 DYS533 |
|---------|------|---------------------------|----------------------------|------------------------------|-------------------------------|----------------------------|-------------------------------|-----------------------------|------------------|
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Item 2 - YSTR Results

| | | | | | | | | | |
|--------|----------------------|----|-------|----|----|----|----|----|----|
| 8W6GQH | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 8XM6DJ | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 973PHZ | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 98679J | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 9B6ECU | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 9G8HCZ | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 9QVGTX | Globalfiler 2 | | | | | | 11 | | |
| | | | | | | | | 2 | |
| 9UVQYT | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| A8ZDMG | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| AAKCTY | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |

TABLE 3

| WebCode | Item | DYS19 DYS437 DYS549 | DYS385 DYS438 DYS570 | DYS389-I DYS439 DYS576 | DYS389-II DYS448 DYS635 | DYS390 DYS456 DYS643 | DYS391 DYS458 Y GATA H4 | DYS392 DYS481 Y Indel | DYS393 DYS533 |
|---------|------|---------------------------|----------------------------|------------------------------|-------------------------------|----------------------------|-------------------------------|-----------------------------|------------------|
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Item 2 - YSTR Results

| | | | | | | | | | |
|--------|----------------------------------|----|-------|----|----|----|----|----|----|
| AHFAJ8 | Yfiler® | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| AKP8YB | Yfiler® | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| ALH2YZ | Yfiler® | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| AR7JGH | PowerPlex® Y Y23 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| AZEFW9 | Yfiler® | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| B8GMFH | PowerPlex® Y 23 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| BF32NT | PowerPlex® Y 23 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| BJLU42 | PowerPlex® Y 23 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| BN2DDV | Yfiler® , Globalfiler for Yindel | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | 2 | |
| C3ECCT | Yfiler® | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |

| WebCode | Item | DYS19 DYS437 DYS549 | DYS385 DYS438 DYS570 | DYS389-I DYS439 DYS576 | DYS389-II DYS448 DYS635 | DYS390 DYS456 DYS643 | DYS391 DYS458 Y GATA H4 | DYS392 DYS481 Y Indel | DYS393 DYS533 |
|---------|------|---------------------------|----------------------------|------------------------------|-------------------------------|----------------------------|-------------------------------|-----------------------------|------------------|
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Item 2 - YSTR Results

| | | | | | | | | | |
|---------|----------------------|----|-------|----|----|----|----|----|----|
| C8CPHR | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| CE9GWM | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | - | - | - | 23 | - | 12 | - | - |
| CHTCRR | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| CL94FZ | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| D3DT9Q | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| D9ZF6G | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| DDCDQH | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| DNNTD37 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| DUYVHY | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| DW2XYM | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |

TABLE 3

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

Item 2 - YSTR Results

| | | | | | | | | | |
|--------|----------------------|----|-------|----|----|----|----|----|----|
| DXJTWG | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| EBQW2B | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| EE3V7P | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | NT | NT |
| | | NT | NT | NT | 23 | NT | 12 | NT | |
| EP326C | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| EU3LCM | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| EW2B7F | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| EZ34FE | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| F6UQM8 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | - | - | - | 23 | - | 12 | - | |
| F7NF48 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| G3NNB2 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |

TABLE 3

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

Item 2 - YSTR Results

| | | | | | | | | | | |
|--------|-----------------|---|----|-------|----|----|----|----|----|----|
| G4DVTG | Yfiler® | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| G6L7CA | PowerPlex® Y | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | | | | | |
| | | | | | | | | | | |
| GR3MQK | Yfiler® | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| H4RQP4 | Yfiler® | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| HAWPZU | PowerPlex® Y 23 | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| HAXFBH | PowerPlex® Y | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | | | | | |
| | | | | | | | | | | |
| HMLFTK | PowerPlex® Y 23 | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| HU8JTZ | Yfiler® | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| HXX3JW | Yfiler® | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| HYHHFM | Yfiler® | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |

TABLE 3

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

Item 2 - YSTR Results

| | | | | | | | | | |
|---------|-----------------------|----|-------|----|----|----|----|----|----|
| J2C3CH | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| JAV7L7 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | - | - | - | 23 | - | 12 | - | - |
| JFE CFR | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| JPR8RD | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| JRAHCB | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | - | - | - | 23 | - | 12 | - | - |
| JT62FX | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| JW3JFB | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| JXF9JM | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| KA4TGP | PowerPlex® Y Y23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| KAMLB8 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |

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

Item 2 - YSTR Results

| | | | | | | | | | |
|--------|----------------------|----|-------|----|----|----|----|----|----|
| KBH6D9 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| KDB2UF | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| KE7FKE | PowerPlex® Y 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | | | | | |
| | | | | | | | | | |
| KKLEHD | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | - | - | - | 23 | - | 12 | - | - |
| L2TLM8 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| L6WDV8 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| L9U6HB | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | | | | | |
| | | | | | | | | | |
| LEHMWM | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| LLY7AU | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| LPETQK | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | 2 | |

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

Item 2 - YSTR Results

| | | | | | | | | | |
|--------|----------------------|----------------|-------------------|----------------|----------------|----------------|----------------|----------|----------|
| LR6XJR | 2 | | | | | | 11 | | |
| LTU7NM | Yfiler® 2 | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |
| LTZHAX | Yfiler® 2 | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |
| M4XRG8 | Fusion 2 | | | | | | 11 | | |
| M98P9Z | Yfiler® 2 | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |
| MYKVQC | PowerPlex® Y 23 2 | 14 15 12 | 11,13 12 17 | 13 13 18 | 29 18 23 | 24 16 10 | 11 17 12 | 14 24 | 13 13 |
| N6Y9ZU | Yfiler® 2 | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |
| N7TY7A | Yfiler® 2 | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |
| NDW9Q4 | PowerPlex® Y 23 2 | 14 15 12 | 11,13 12 17 | 13 13 18 | 29 18 23 | 24 16 10 | 11 17 12 | 14 24 | 13 13 |
| NGGTC6 | Yfiler® 2 | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |

TABLE 3

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

Item 2 - YSTR Results

| | | | | | | | | | |
|--------|-----------------|----|-------|----|----|----|----|----|----|
| NLPBED | PowerPlex® Y 23 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| NTCU69 | PowerPlex® Y 23 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| P2KQMK | Yfiler® | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| P7QNNC | Yfiler® | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| PDBNEA | PowerPlex® Y | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | | | | | |
| PHNBBZ | PowerPlex® Y 23 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| PJXFL4 | Yfiler® | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| PKT2BN | Yfiler® | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| PPL3FM | Yfiler® | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| PUJLGL | Yfiler® | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |

TABLE 3

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

Item 2 - YSTR Results

| | | | | | | | | | |
|--------|----------------------|----|-------|----|----|----|----|----|----|
| QDT7QU | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| QK8ZGW | PowerPlex® Y 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | | | | | |
| | | | | | | | | | |
| QP4C74 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| QQYU86 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| QW36RH | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| R4URE9 | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| RAL689 | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| RFRLTQ | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| RGM98F | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| RH3GJP | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |

TABLE 3

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

Item 2 - YSTR Results

| | | | | | | | | | |
|--------|----------------------|----|-------|----|----|----|----|----|----|
| RR4X4Z | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| RVPNKW | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| TBF6UL | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| TG27ZQ | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| TZRBG4 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| UGKACX | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| UJ9LAH | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| ULVALH | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| UW7BRV | 2 | | | | | | 11 | | |
| | | | | | | | | 2 | |
| UY2BB7 | PowerPlex® Y 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | | | | | |

TABLE 3

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

Item 2 - YSTR Results

| | | | | | | | | | |
|--------|----------------------|-----|-------|-----|----|-----|----|-----|-----|
| UYE22C | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | n/t | n/t |
| | | n/t | n/t | n/t | 23 | n/t | 12 | n/t | |
| VB4EFY | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| VE2XFC | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | - | - | - | 23 | - | 12 | - | |
| VKB7AM | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| VWLK9F | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| VWLPJH | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| VX2YKV | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| VX3D7 | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| VZPD6Y | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| W2CEJL | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |

TABLE 3

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

Item 2 - YSTR Results

| | | | | | | | | | |
|--------|-----------------------|----|-------|----|----|----|----|----|----|
| W382XB | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| W86AT7 | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| WYRCU2 | PowerPlex® Y Y23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| XAK9DE | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| XAQ9MV | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| XBEU6K | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| XEHRFD | PowerPlex® Y 23 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| XFTE8Z | Yfiler® 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| XHXBK2 | 2 | | | | | | 11 | | |
| | | | | | | | | 2 | |
| XK6GVG | Yfiler® plus 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | | 17 | 18 | 23 | | 12 | | |

TABLE 3

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

Item 2 - YSTR Results

| | | | | | | | | | | |
|--------|-----------------|---|----|-------|----|----|----|----|----|----|
| XMUTT2 | Yfiler® | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | | - | - | - | 23 | - | 12 | - | |
| XN6P3C | Yfiler® | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| XRMU72 | PowerPlex® Y | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | | | | | |
| | | | | | | | | | | |
| XV6YX6 | Yfiler® | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| XWD3GU | PowerPlex® Y 23 | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| Y27JDL | Yfiler® | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| Y72JJU | Yfiler® | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| YDLHA3 | PowerPlex® Y | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | | | | | |
| | | | | | | | | | | |
| YEULXY | PowerPlex® Y | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | | | | | |
| | | | | | | | | | | |
| YFPG48 | Yfiler® | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |

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

Item 2 - YSTR Results

| | | | | | | | | | | |
|--------|-----------------|---|-----|-------|-----|----|-----|----|-----|-----|
| YLRHA4 | PowerPlex® Y 23 | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| YQ3QJK | Yfiler® | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| YR4CLR | PowerPlex® Y 23 | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| YYHEC2 | PowerPlex® Y 23 | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| Z2KPR2 | Yfiler® | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | N/A | N/A |
| | | | N/A | N/A | N/A | 23 | N/A | 12 | N/A | |
| ZADMU4 | PowerPlex® Y 23 | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| ZGZJNK | Yfiler® | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| ZH8YWC | Yfiler® | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| ZH9MBG | PowerPlex® Y 23 | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| ZVHGMU | PowerPlex® Y 23 | 2 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | | 12 | 17 | 18 | 23 | 10 | 12 | | |

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

Item 3 - YSTR Results

| | | | | | | | | | |
|--------|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 436HBA | Yfiler® 3 | No result | No result | No result | No result | No result | No result | No result | No result |
| | | No result | No result | No result | No result | No result | No result | - | - |
| | | - | - | - | No result | - | No result | - | - |
| 6NZLPL | Yfiler® 3 | | | | | | | | |
| | | | | | | | | | |
| 766AFR | Yfiler® 3 | NR | NR,NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | NR | NR |
| | | | | | NR | | NR | | |
| 8HP839 | Globalfiler 3 | | | | | | NA | | |
| | | | | | | | | NA | |
| 9B6ECU | PowerPlex® Y 23 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 |
| A8ZDMG | Yfiler® 3 | NR | NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | NR | NR |
| | | | | | NR | | NR | | |
| ALH2YZ | Yfiler® 3 | NR | NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | NR | NR |
| | | | | | NR | | NR | | |
| CE9GWM | Yfiler® 3 | - | - | - | - | - | - | - | - |
| | | - | - | - | - | - | - | - | - |
| | | - | - | - | - | - | - | - | - |
| EE3V7P | Yfiler® 3 | NR | NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | NT | NT |
| | | NT | NT | NT | NR | NT | NR | NT | NT |
| EU3LCM | Yfiler® 3 | NR | NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | NR | NR |
| | | | | | NR | | NR | | |

TABLE 3

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

Item 3 - YSTR Results

| | | | | | | | | | |
|--------|---------------------------|----|-------|----|----|----|----|----|----|
| G4DVTC | Yfiler® 3 | NR | NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | NR | NR |
| | | | | | NR | | NR | | |
| HAXFBH | no male DNA detected 3 | | | | | | | | |
| HYHHFM | Yfiler® 3 | NR | NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | NR | NR |
| | | | | | NR | | NR | | |
| KDB2UF | PowerPlex® Y 23 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 |
| KKLEHD | Yfiler® 3 | - | - | - | - | - | - | - | - |
| | | - | - | - | - | - | - | - | - |
| | | - | - | - | - | - | - | - | - |
| LPETQK | Yfiler® 3 | | | | | | | | |
| LTZHAX | Yfiler® 3 | NR | NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | NR | NR |
| | | | | | NR | | NR | | |
| N7TY7A | Yfiler® 3 | NR | NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | NR | NR |
| | | | | | NR | | NR | | |
| QQYU86 | Yfiler® 3 | 14 | 11,13 | 13 | 29 | 24 | 11 | | 13 |
| | | 15 | | | 18 | 16 | 17 | | |
| | | | | | | | 12 | | |
| RAL689 | PowerPlex® Y 23 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 |

TABLE 3

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

Item 3 - YSTR Results

| | | | | | | | | | |
|--------|----------------------|-----|-----|-----|----|-----|----|-----|-----|
| W2CEJL | Yfiler® 3 | NR | NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | NR | NR |
| | | | | | NR | | NR | | |
| W86AT7 | PowerPlex® Y 23 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 |
| XMUTT2 | Yfiler® 3 | - | - | - | - | - | - | - | - |
| | | - | - | - | - | - | - | - | - |
| | | - | - | - | - | - | - | - | - |
| Y72JJU | Yfiler® 3 | NR | NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | NR | NR |
| | | | | | NR | | NR | | |
| Z2KPR2 | Yfiler® 3 | NR | NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | N/A | N/A |
| | | N/A | N/A | N/A | NR | N/A | NR | N/A | |

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

Item 3e - YSTR Results

LR6XJR

3e

11

RR4X4Z

Yfiler®

3e

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

Item 3sp - YSTR Results

LR6XJR

3sp

11

RR4X4Z

Yfiler®

3sp

TABLE 3

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

Item 4 - YSTR Results

| | | | | | | | | | |
|--------|----------------------|----|-------|----|----|----|----|----|----|
| 766AFR | Yfiler® 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 7AEQQ2 | Yfiler® 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 8TJNM3 | Yfiler® 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 973PHZ | Yfiler® 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 9G8HCZ | Yfiler® 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| AAKCTY | Yfiler® 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| JXF9JM | Yfiler® 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| LTU7NM | Yfiler® 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| MYKVQC | PowerPlex® Y 23 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| N7TY7A | Yfiler® 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |

TABLE 3

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

Item 4 - YSTR Results

| | | | | | | | | | |
|--------|----------------------|----|-------|----|----|----|----|----|----|
| PUJLGL | Yfiler® 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| RGM98F | Yfiler® 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| TZRBG4 | Yfiler® 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| ULVALH | Yfiler® 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| W382XB | Yfiler® 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| WYRCU2 | 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| XEHRFD | PowerPlex® Y 23 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| XFTE8Z | Yfiler® 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| XK6GVG | Yfiler® plus 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | | 17 | 18 | 23 | | 12 | | |
| XN6P3C | Yfiler® 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |

TABLE 3

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

Item 4 - YSTR Results

| | | | | | | | | | |
|--------|-----------------|----|-------|----|----|----|----|----|----|
| YYHEC2 | PowerPlex® Y 23 | | | | | | | | |
| | 4 | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |

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

Item 4e - YSTR Results

| | | | | | | | | | |
|--------|--------------------------|----|-------|----|----|----|----|----|----|
| 2KED4H | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 2YCR2Q | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 2YYLQ | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 37QTYF | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 3APG8A | Yfiler® 4e | | | | | | | | |
| | | | | | | | | | |
| 3B6D2U | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 3E8ARP | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 3H39X8 | PowerPlex® Y PPY23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 3MCLGR | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 436HBA | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | - | - | - | 23 | - | 12 | - | - |

TABLE 3

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

Item 4e - YSTR Results

| | | | | | | | | | |
|---------|-----------------|----|-------|----|----|----|----|----|----|
| 4AQJJK | PowerPlex® Y 23 | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 4EKG CW | PowerPlex® Y | | | | | | | | |
| | 4e | NT | NT | NT | NT | NT | NT | NT | NT |
| | | NT | NT | NT | | | | | |
| 4FRP8B | PowerPlex® Y 23 | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 4JX44G | PowerPlex® Y 23 | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 4NKXW8 | Yfiler® | | | | | | | | |
| | 4e | | | | | | | | |
| 64EX6M | Yfiler® | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | 23 | | 12 | | | |
| 6JL2M8 | Yfiler® | | | | | | | | |
| | 4e | | | | | | | | |
| 6LWUPL | PowerPlex® Y 23 | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 6N2H8X | Yfiler® | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | 23 | | 12 | | | |
| 6NZLPL | Yfiler® | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | 23 | | 12 | | | |

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

Item 4e - YSTR Results

| | | | | | | | | | |
|--------|------------------------|----|-------|----|----|----|----|----|----|
| 6QPXG6 | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 6TYV3A | 4e | | | | | | 11 | | |
| | | | | | | | | 2 | |
| 7QMQRH | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 7TCQC9 | Yfiler® 4e | | | | | | | | |
| | | | | | | | | | |
| 7TPKGM | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | - | - | - | 23 | - | 12 | - | |
| 7Y6RF8 | Yfiler® 4e | | | | | | | | |
| | | | | | | | | | |
| 887XA9 | Yfiler® 4e | | | | | | | | |
| | | | | | | | | | |
| 8AV6U6 | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 8F4EAD | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 8HAY2K | PowerPlex® Y Y23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |

TABLE 3

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

Item 4e - YSTR Results

| | | | | | | | | | |
|--------|-----------------------|----|-------|----|----|----|------|-----|----|
| 8HP839 | Globalfiler 4e | | | | | | [11] | | |
| | | | | | | | | [2] | |
| 8RRKZM | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 8W6GQH | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 8XM6DJ | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 98679J | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 9B6ECU | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 9QVGTX | Globalfiler 4e | | | | | | [11] | | |
| | | | | | | | | [2] | |
| A8ZDMG | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| AHFAJ8 | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| AKP8YB | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |

TABLE 3

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

Item 4e - YSTR Results

| | | | | | | | | | |
|--------|---|----|-------|----|----|----|------|----|-----|
| ALH2YZ | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| AR7JGH | PowerPlex® Y Y23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| AZEFW9 | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| B8GMFH | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| BF32NT | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| BJLU42 | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| BN2DDV | Yfiler® , Yindel/DYS391 - Globalfiler 4e | | | | | | | | |
| | | | | | | | [11] | | |
| | | | | | | | | | [2] |
| C3ECCT | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| C8CPHR | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| CE9GWM | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | - | - | - | 23 | - | 12 | - | - |

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

Item 4e - YSTR Results

| | | | | | | | | | |
|--------|-----------------------|----------------|-------------------|----------------|----------------|----------------|----------------|----------|----------|
| CHTCRR | Yfiler® 4e | | | | | | | | |
| CL94FZ | Yfiler® 4e | | | | | | | | |
| D3DT9Q | Yfiler® 4e | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |
| D9ZF6G | Yfiler® 4e | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |
| DDCDQH | PowerPlex® Y 23 4e | 14 15 12 | 11,13 12 17 | 13 13 18 | 29 18 23 | 24 16 10 | 11 17 12 | 14 24 | 13 13 |
| DNTD37 | Yfiler® 4e | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |
| DUYVHY | Yfiler® 4e | | | | | | 11 12 | 14 | |
| DW2XYM | Yfiler® 4e | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |
| DXJTWG | Yfiler® 4e | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |
| EBQW2B | Yfiler® 4e | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |

TABLE 3

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

Item 4e - YSTR Results

| | | | | | | | | | |
|--------|-----------------|----|-------|----|----|----|----|----|----|
| EE3V7P | Yfiler® | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | NT | NT |
| | | NT | NT | NT | 23 | NT | 12 | NT | |
| EP326C | PowerPlex® Y 23 | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| EU3LCM | Yfiler® | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | 23 | | 12 | | | |
| EW2B7F | PowerPlex® Y 23 | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| EZ34FE | Yfiler® | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | 23 | | 12 | | | |
| F7NF48 | Yfiler® | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | 23 | | 12 | | | |
| G3NNB2 | Yfiler® | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | 23 | | 12 | | | |
| G4DVTC | Yfiler® | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | 23 | | 12 | | | |
| GR3MQK | Yfiler® | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | 23 | | 12 | | | |
| H4RQP4 | Yfiler® | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | 23 | | 12 | | | |

TABLE 3

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

Item 4e - YSTR Results

| | | | | | | | | | |
|---------|-----------------------|----|-------|----|----|----|----|----|----|
| HAWPZU | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| HMLFTK | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| HU8JTZ | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| HXX3JW | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| HYHHFM | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| JFE CFR | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| JPR8RD | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| JRAHCB | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | - | - | - | 23 | - | 12 | - | |
| JT62FX | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| JW3JFB | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |

TABLE 3

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

Item 4e - YSTR Results

| | | | | | | | | | | |
|--------|------------------|----|----|-------|----|----|----|----|----|----|
| KA4TGP | PowerPlex® Y Y23 | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| KAMLB8 | Yfiler® | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| KBH6D9 | Yfiler® | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| KDB2UF | PowerPlex® Y 23 | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| KKLEHD | Yfiler® | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | | - | - | - | 23 | - | 12 | - | - |
| L2TLM8 | Yfiler® | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| L9U6HB | PowerPlex® Y | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | | | | | |
| LEHMWM | Yfiler® | 4e | | | | | | | | |
| | | | | | | | | | | |
| LLY7AU | Yfiler® | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| LPETQK | Yfiler® | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | 2 | |

TABLE 3

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

Item 4e - YSTR Results

| | | | | | | | | | |
|--------|-----------------------|----|-------|----|----|----|----|----|----|
| LTZHAX | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| M98P9Z | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| N6Y9ZU | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| NDW9Q4 | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| NGGTC6 | Yfiler® 4e | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| NLPBED | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| NTCU69 | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| P2KQMK | Yfiler® 4e | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| PHNBBZ | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| PKT2BN | Yfiler® 4e | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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

Item 4e - YSTR Results

| | | | | | | | | | |
|--------|------------------------------|----------------|-------------------|----------------|----------------|----------------|----------------|----------|----------|
| PPL3FM | Yfiler® 4e | | | | | | | | |
| QDT7QU | Yfiler® 4e | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |
| QQYU86 | Yfiler® , PowerPlex® Y 4e | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |
| QW36RH | Yfiler® 4e | | | | | | | | |
| R4URE9 | PowerPlex® Y 23 4e | 14 15 12 | 11,13 12 17 | 13 13 18 | 29 18 23 | 24 16 10 | 11 17 12 | 14 24 | 13 13 |
| RAL689 | PowerPlex® Y 23 4e | 14 15 12 | 11,13 12 17 | 13 13 18 | 29 18 23 | 24 16 10 | 11 17 12 | 14 24 | 13 13 |
| RFRLTQ | Yfiler® 4e | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |
| RH3GJP | PowerPlex® Y 23 4e | 14 15 12 | 11,13 12 17 | 13 13 18 | 29 18 23 | 24 16 10 | 11 17 12 | 14 24 | 13 13 |
| RR4X4Z | Yfiler® 4e | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |
| RVPNKW | Yfiler® 4e | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |

TABLE 3

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

Item 4e - YSTR Results

| | | | | | | | | | |
|--------|-----------------|-----|-------|-----|-----|-----|-----|-----|-----|
| TBF6UL | Yfiler® | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| TG27ZQ | Yfiler® | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| UGKACX | PowerPlex® Y 23 | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| UJ9LAH | PowerPlex® Y 23 | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| UW7BRV | 4e | | | | | | 11 | | |
| | | | | | | | | 2 | |
| UY2BB7 | PowerPlex® Y | | | | | | | | |
| | 4e | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| | | N/A | N/A | N/A | | | | | |
| UYE22C | Yfiler® | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | n/t | n/t |
| | | n/t | n/t | n/t | 23 | n/t | 12 | n/t | |
| VB4EFY | Yfiler® | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | 23 | | 12 | | | |
| VE2XFC | Yfiler® | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | - | - | - | 23 | - | 12 | - | |
| VKB7AM | Yfiler® | | | | | | | | |
| | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |

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

Item 4e - YSTR Results

| | | | | | | | | | |
|--------|-----------------------|----------------|-------------------|----------------|----------------|----------------|----------------|--------------|--------------|
| VWLK9F | Yfiler® 4e | | | | | | | | |
| VWLPJH | PowerPlex® Y 23 4e | 14 15 12 | 11,13 12 17 | 13 13 18 | 29 18 23 | 24 16 10 | 11 17 12 | 14 24 | 13 13 |
| VX2YKV | Yfiler® 4e | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |
| VZPD6Y | PowerPlex® Y 23 4e | 14 15 12 | 11,13 12 17 | 13 13 18 | 29 18 23 | 24 16 10 | 11 17 12 | 14 24 | 13 13 |
| W2CEJL | Yfiler® 4e | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |
| W86AT7 | PowerPlex® Y 23 4e | 14 15 12 | 11,13 12 17 | 13 13 18 | 29 18 23 | 24 16 10 | 11 17 12 | 14 24 | 13 13 |
| XAK9DE | Yfiler® 4e | - - | - - | - - | - - | - - | - - | - | - |
| XAQ9MV | PowerPlex® Y 23 4e | 14 15 12 | 11,13 12 17 | 13 13 18 | 29 18 23 | 24 16 10 | 11 17 12 | 14 24 | 13 13 |
| XBEU6K | Yfiler® 4e | 14 15 | 11,13 12 | 13 13 | 29 18 23 | 24 16 | 11 17 12 | 14 | 13 |
| XMUTT2 | Yfiler® 4e | 14 15 - | 11,13 12 - | 13 13 - | 29 18 23 | 24 16 - | 11 17 12 | 14 - - | 13 - - |

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

Item 4e - YSTR Results

| | | | | | | | | | |
|--------|-----------------------|-----|-------|-----|----|-----|----|-----|-----|
| XWD3GU | 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| Y27JDL | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| Y72JJU | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| YEULXY | PowerPlex® Y 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | | | | | |
| | | | | | | | | | |
| YFPG48 | Yfiler® 4e | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| YLRHA4 | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| YQ3QJK | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| YR4CLR | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| Z2KPR2 | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | N/A | N/A |
| | | N/A | N/A | N/A | 23 | N/A | 12 | N/A | |
| ZADMU4 | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |

TABLE 3

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

Item 4e - YSTR Results

| | | | | | | | | | |
|---------|-----------------------|----|-------|----|----|----|----|----|----|
| ZGD8WY | GlobalFiler 4e | | | | | | 11 | | |
| | | | | | | | | 2 | |
| ZGZJNK | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| ZH8YWC | Yfiler® 4e | | | | | | | | |
| ZH9MBG | Yfiler® 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| ZVHG MU | PowerPlex® Y 23 4e | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |

TABLE 3

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

Item 4sp - YSTR Results

| | | | | | | | | | |
|--------|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 2KED4H | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 2YCR2Q | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 2YYLQ | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 37QTYF | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 3APG8A | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 3B6D2U | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 3E8ARP | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 3H39X8 | PowerPlex® Y PPY23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 3MCLGR | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 436HBA | Yfiler® 4sp | No result | No result | No result | No result | No result | No result | No result | No result |
| | | No result | No result | No result | No result | No result | No result | - | - |
| | | - | - | - | 23 | - | No result | - | |

TABLE 3

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

Item 4sp - YSTR Results

| | | | | | | | | | |
|---------|------------------------|----|-------|----|----|----|----|----|----|
| 4AQJKK | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 4EKG CW | PowerPlex® Y 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | | | | | |
| | | | | | | | | | |
| 4FRP8B | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 4JX44G | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 4NKXW8 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 64EX6M | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 6JL2M8 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 6LWUPL | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 6N2H8X | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 6NF3LZ | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |

TABLE 3

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

Item 4sp - YSTR Results

| | | | | | | | | | |
|--------|------------------------|----|-------|----|----|----|----|----|----|
| 6NZLPL | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 6QPXG6 | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 6QQNRU | PowerPlex® Y 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | | | | | |
| 6TYV3A | 4sp | | | | | | 11 | | |
| | | | | | | | | 2 | |
| 7QMQRH | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 7TCQC9 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 7TPKGM | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | - | - | - | 23 | - | 12 | - | - |
| 7Y6RF8 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 887XA9 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 8AV6U6 | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |

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

Item 4sp - YSTR Results

| | | | | | | | | | |
|--------|-------------------------|----|-------|----|----|----|----|----|----|
| 8F4EAD | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 8HAY2K | PowerPlex® Y Y23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| | | | | | | | | | |
| 8HP839 | Globalfiler 4sp | | | | | | 11 | | |
| | | | | | | | | 2 | |
| 8MGMEI | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| 8RRKZM | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 8W6GQH | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 8XM6DJ | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 98679J | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 9B6ECU | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| 9QVGTX | Globalfiler 4sp | | | | | | 11 | | |
| | | | | | | | | 2 | |

TABLE 3

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

Item 4sp - YSTR Results

| | | | | | | | | | |
|--------|-------------------------|----|-------|----|----|----|----|----|----|
| 9UVQYT | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| A8ZDMG | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| AHFAJ8 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| AKP8YB | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| ALH2YZ | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| AR7JGH | PowerPlex® Y Y23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| AZEFW9 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| B8GMFH | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| BF32NT | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| BJLU42 | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |

TABLE 3

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

| | | | | | | | | | |
|--------|--|----|-------|----|----|----|----|----|----|
| BN2DDV | Yfiler® , Yindel/DYS391 - Globalfiler 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | 2 | |
| C3ECCT | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| C8CPHR | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| CE9GWM | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | - | - | - | 23 | - | 12 | - | - |
| CHTCRR | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| CL94FZ | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| D3DT9Q | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| D9ZF6G | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| DDCDQH | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| DNTD37 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |

TABLE 3

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

Item 4sp - YSTR Results

| | | | | | | | | | |
|--------|------------------------|----|-------|----|----|----|----|----|----|
| DUYVHY | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | | | 13 |
| | | | | | | 16 | 17 | | |
| DW2XYM | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| DXJTWG | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| EBQW2B | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| EE3V7P | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | NT | NT |
| | | NT | NT | NT | 23 | NT | 12 | NT | |
| EH3CCR | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | NA | NA |
| | | NA | NA | NA | 23 | NA | 12 | NA | |
| EP326C | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| EU3LCM | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | 23 | | 12 | | | |
| EW2B7F | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| EZ34FE | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | 23 | | 12 | | | |

TABLE 3

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

Item 4sp - YSTR Results

| | | | | | | | | | |
|--------|------------------------|----|-------|----|----|----|----|----|----|
| F7NF48 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| G3NNB2 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| G4DVTC | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| G6L7CA | PowerPlex® Y 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | | | | | |
| | | | | | | | | | |
| GR3MQK | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| H4RQP4 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| HAWPZU | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| HAXFBH | PowerPlex® Y 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | | | | | |
| | | | | | | | | | |
| HMLFTK | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| HU8JTZ | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |

TABLE 3

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

Item 4sp - YSTR Results

| | | | | | | | | | |
|--------|-------------------------|----|-------|----|----|----|----|----|----|
| HXX3JW | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| HYHHFM | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| J2C3CH | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| JFECFR | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| JPR8RD | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| JRAHCB | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | - | - | - | 23 | - | 12 | - | - |
| JT62FX | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| JW3JFB | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| KA4TGP | PowerPlex® Y Y23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| KAMLB8 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |

TABLE 3

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

Item 4sp - YSTR Results

| | | | | | | | | | |
|--------|------------------------|----|-------|----|----|----|----|----|----|
| KBH6D9 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| KDB2UF | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| KE7FKE | PowerPlex® Y 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | | | | | |
| | | | | | | | | | |
| KKLEHD | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | - | - | - | 23 | - | 12 | - | - |
| L2TLM8 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| L6WDV8 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| L9U6HB | PowerPlex® Y 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | | | | | |
| | | | | | | | | | |
| LEHMWM | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| LLY7AU | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| LPETQK | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | 2 | |

TABLE 3

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

| | | | | | | | | | |
|--------|------------------------|----|-------|----|----|----|----|----|----|
| LTZHAX | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| M98P9Z | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| N6Y9ZU | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| NDW9Q4 | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| NGGTC6 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| NLPBED | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| NTCU69 | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| P2KQMK | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| P7QNNC | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| PDBNEA | PowerPlex® Y 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | | | | | |

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

Item 4sp - YSTR Results

| | | | | | | | | | | |
|--------|------------------------|-----|----|-------|----|----|----|----|-------|----|
| PHNBBZ | PowerPlex® Y 23 | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| PJXFL4 | Yfiler® | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| PKT2BN | Yfiler® | 4sp | 16 | 13 | 24 | 29 | 17 | 14 | 11,13 | 13 |
| | | | 11 | 13 | 23 | 14 | 12 | 15 | 12 | 18 |
| | | | | | | | | | | |
| PPL3FM | Yfiler® | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| QDT7QU | Yfiler® | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| QK8ZGW | PowerPlex® Y | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | | | | | |
| | | | | | | | | | | |
| QP4C74 | Yfiler® | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| QQYU86 | Yfiler® , PowerPlex® Y | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| QW36RH | Yfiler® | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| R4URE9 | PowerPlex® Y 23 | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | | 12 | 17 | 18 | 23 | 10 | 12 | | |

TABLE 3

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

Item 4sp - YSTR Results

| | | | | | | | | | |
|--------|------------------------|----|-------|----|----|----|----|----|----|
| RAL689 | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| RFRLTQ | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| RH3GJP | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| RR4X4Z | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| RVPNKW | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| TBF6UL | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| TG27ZQ | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| UGKACX | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| UJ9LAH | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| UW7BRV | 4sp | | | | | | 11 | | |

TABLE 3

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

Item 4sp - YSTR Results

| | | | | | | | | | | |
|--------|-----------------|-----|-----|-------|-----|----|-----|----|-----|-----|
| UY2BB7 | PowerPlex® Y | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | | | | | |
| | | | | | | | | | | |
| UYE22C | Yfiler® | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | n/t | n/t |
| | | | n/t | n/t | n/t | 23 | n/t | 12 | n/t | |
| | | | | | | | | | | |
| VB4EFY | Yfiler® | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| | | | | | | | | | | |
| VE2XFC | Yfiler® | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | | - | - | - | 23 | - | 12 | - | |
| | | | | | | | | | | |
| VKB7AM | Yfiler® | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| VWLK9F | Yfiler® | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| VWLPJH | PowerPlex® Y 23 | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| VX2YKV | Yfiler® | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| VXZ3D7 | Yfiler® | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | | 23 | | 12 | | |
| VZPD6Y | PowerPlex® Y 23 | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | | 12 | 17 | 18 | 23 | 10 | 12 | | |

TABLE 3

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

Item 4sp - YSTR Results

| | | | | | | | | | |
|--------|------------------------|----|-------|----|----|----|----|----|----|
| W2CEJL | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| W86AT7 | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| XAK9DE | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| XAQ9MV | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| XBEU6K | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| XMUTT2 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | - | - |
| | | - | - | - | 23 | - | 12 | - | - |
| XRMU72 | PowerPlex® Y 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | | | | | |
| XV6YX6 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| XWD3GU | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| Y27JDL | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | 23 | | 12 | | | |

TABLE 3

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

Item 4sp - YSTR Results

| | | | | | | | | | |
|--------|------------------------|-----|-------|-----|----|-----|----|-----|-----|
| Y72JJU | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| YDLHA3 | PowerPlex® Y 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | | | | | |
| | | | | | | | | | |
| YEULXY | PowerPlex® Y 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | | | | | |
| | | | | | | | | | |
| YFPG48 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| YLRHA4 | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| YQ3QJK | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| YR4CLR | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| Z2KPR2 | Yfiler® 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | N/A | N/A |
| | | N/A | N/A | N/A | 23 | N/A | 12 | N/A | |
| ZADMU4 | PowerPlex® Y 23 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |
| ZGD8WY | GlobalFiler 4sp | | | | | | 11 | | |

TABLE 3

| WebCode | Item | DYS19 | DYS385 | DYS389-I | DYS389-II | DYS390 | DYS391 | DYS392 | DYS393 |
|--------------------------------|-----------------|---------------|---------------|-----------------|------------------|---------------|------------------|----------------|---------------|
| | | DYS437 | DYS438 | DYS439 | DYS448 | DYS456 | DYS458 | DYS481 | DYS533 |
| | | DYS549 | DYS570 | DYS576 | DYS635 | DYS643 | Y GATA H4 | Y Indel | |
| Item 4sp - YSTR Results | | | | | | | | | |
| ZGZJNK | Yfiler® | | | | | | | | |
| | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| ZH8YWC | Yfiler® | | | | | | | | |
| | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| ZH9MBG | Yfiler® | | | | | | | | |
| | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | | |
| | | | | | 23 | | 12 | | |
| ZVHGMU | PowerPlex® Y 23 | | | | | | | | |
| | 4sp | 14 | 11,13 | 13 | 29 | 24 | 11 | 14 | 13 |
| | | 15 | 12 | 13 | 18 | 16 | 17 | 24 | 13 |
| | | 12 | 17 | 18 | 23 | 10 | 12 | | |

Additional DNA Results

TABLE 4

| Locus | WebCode | Item 1 | Item 2 | Item 3 | Item 4e | Item 4sp |
|---------|---------|--------|--------|--------|----------|----------|
| D6S1043 | 7TCQC9 | 11,20 | 11,17 | 11,20 | 11,17,20 | 11,17 |
| | 7Y6RF8 | 11,20 | 11,17 | 11,20 | 11,17,20 | 11,17 |
| | 9L8V76 | 11,20 | 11,17 | 11,20 | 11,17,20 | 11,17 |
| DYS391 | 6NF3LZ | NR | 11 | NR | 11 | 11 |
| | 8NA8FZ | NR | 11 | NR | 11 | 11 |
| | 8XM6DJ | | 11 | | | |
| | JFECFR | | 11 | | 11 | 11 |
| | PHNBBZ | | 11 | | | |
| | XAQ9MV | | 11 | | | |

DNA Interpretations

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

TABLE 5

| WebCode | <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 |
| 23RCU9 | Yes | Yes | No | Yes | 4EKG CW | Yes | Yes | No | Yes |
| 2DD7G3 | Yes | Yes | No | Yes | 4FRP8B | Yes | Yes | No | Yes |
| 2GBUQH | Yes | Yes | No | Yes | 4JX44G | Yes | Yes | No | Yes |
| 2JXGD4 | Yes | Yes | No | Yes | 4LXAK8 | Yes | Yes | No | Yes |
| 2KED4H | Yes | Yes | No | Yes | 4NKXW8 | Yes | Yes | No | Yes |
| 2RTGTW | Yes | Yes | No | Yes | 4QDW2X | Yes | Yes | No | Yes |
| 2YCR2Q | Yes | Yes | No | Yes | 4ZLC6K | Yes | Yes | No | Yes |
| 2YYYLQ | Yes | Yes | No | Yes | 64EX6M | Yes | Yes | No | Yes |
| 37QTYF | Yes | Yes | No | Yes | 64FJW9 | Yes | No | No | Yes |
| 3APG8A | Yes | Yes | No | Yes | 6649YZ | Yes | Yes | No | Yes |
| 3B6D2U | Yes | Yes | No | Yes | 68WVZ4 | Yes | Yes | No | Yes |
| 3E8ARP | Yes | Yes | No | Yes | 6ALGED | Yes | Yes | No | Yes |
| 3H39X8 | Yes | Yes | No | Yes | 6JL2M8 | Yes | Yes | No | Yes |
| 3MCLGR | Yes | Yes | No | Yes | 6LBCH7 | Yes | Yes | No | Yes |
| 3N84G8 | Yes | Yes | No | Yes | 6LWUPL | Yes | Yes | No | Yes |
| 3UTYHB | Yes | Yes | No | Yes | 6N2H8X | Yes | Yes | No | Yes |
| 3W34VZ | Yes | Yes | No | Yes | 6NF3LZ | Yes | Yes | No | Yes |
| 42UQA7 | Yes | Yes | No | Yes | 6NNQHM | Yes | Yes | No | Yes |
| 436HBA | Yes | Yes | No | Yes | 6NZLPL | Yes | Yes | No | Yes |
| 49EKRW | Yes | Yes | No | Yes | 6QPXG6 | Yes | Yes | No | Yes |
| 4AQJKK | Yes | Yes | No | Yes | 6QQNRU | Yes | Yes | No | Yes |

TABLE 5

| WebCode | <u>Victim (Item 1)</u> | | <u>Suspect (Item 2)</u> | | WebCode | <u>Victim (Item 1)</u> | | <u>Suspect (Item 2)</u> | |
|---------|------------------------|--------|-------------------------|--------|---------|---|--------|-------------------------|--------|
| | Item 3 | Item 4 | Item 3 | Item 4 | | Item 3 | Item 4 | Item 3 | Item 4 |
| 6RKJ8B | Yes | Yes | No | Yes | 8W4FUJ | Yes | Yes | No | Yes |
| 6TYV3A | Yes | Yes | No | Yes | 8W6GQH | Yes | Yes | No | Yes |
| 766AFR | Yes | Yes | No | Yes | 8XM6DJ | Yes | Yes | No | Yes |
| 769YTP | Yes | Yes | No | Yes | 8YR8Q2 | Yes | Yes | No | Yes |
| 7AEQQ2 | Yes | Yes | No | Yes | 973PHZ | Yes | Yes | No | Yes |
| 7C8KKP | Yes | Yes | No | Yes | 98679J | Yes | Yes | No | Yes |
| 7MP66L | Yes | Yes | No | Yes | 9AUFFZ | Yes | Yes | No | Yes |
| 7QMQRH | Yes | Yes | No | Yes | 9B6ECU | Yes | Yes | No | Yes |
| 7TCQC9 | Yes | Yes | No | Yes | 9C2QEN | Yes | Yes | No | Yes |
| 7TPKGM | Yes | Yes | No | Yes | 9CZZ4Z | Yes | Yes | No | Yes |
| 7Y6RF8 | Yes | Yes | No | Yes | 9F2YKK | Yes | Yes | No | Yes |
| 84PBV3 | Yes | Yes | No | Yes | 9G8HCZ | Yes | Yes | No | Yes |
| 87CVXQ | Yes | Yes | No | Yes | 9JV6VF | Yes | Yes | No | Yes |
| 887XA9 | Yes | Yes | No | Yes | 9L8V76 | Yes | Yes | No | Yes |
| 8AV6U6 | Yes | Yes | No | Yes | 9QVGTX | Yes | Yes | No | Yes |
| 8F4EAD | Yes | Yes | No | Yes | 9TH76X | Yes | Yes | No | Yes |
| 8HAY2K | Yes | Yes | No | Yes | 9UVQYT | Yes | Yes | No | Yes |
| 8HP839 | Yes | Yes | No | Yes | 9ZKB3A | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | |
| 8MGMEL | Yes | Yes | No | Yes | A8ZDMG | Yes | Yes | No | Yes |
| 8NA8FZ | Yes | Yes | No | Yes | AAKCTY | Yes | Yes | No | Yes |
| 8RRKZM | Yes | Yes | No | Yes | AAPPFV | Yes | Yes | No | Yes |
| 8TJNM3 | Yes | Yes | No | Yes | AGRH2C | Yes | Yes | No | Yes |

TABLE 5

| WebCode | <u>Victim (Item 1)</u> | | <u>Suspect (Item 2)</u> | | WebCode | <u>Victim (Item 1)</u> | | <u>Suspect (Item 2)</u> | |
|---------|---|--------|-------------------------|--------|---------|------------------------|--------|-------------------------|--------|
| | Item 3 | Item 4 | Item 3 | Item 4 | | Item 3 | Item 4 | Item 3 | Item 4 |
| AHFAJ8 | Yes | Yes | No | Yes | CHQQUQ | Yes | Yes | No | Yes |
| AKP8YB | Yes | Yes | No | Yes | CHTCRR | Yes | Yes | No | Yes |
| ALH2YZ | Yes | Yes | No | Yes | CL94FZ | Yes | Yes | No | Yes |
| AR7JGH | Yes | Yes | No | Yes | CRF9TT | Yes | Yes | No | Yes |
| ATZ8XR | Yes | Yes | No | Yes | D3DT9Q | Yes | Yes | No | Yes |
| AZEFW9 | Yes | Yes | No | Yes | D9ZF6G | Yes | Yes | No | Yes |
| B236PZ | Yes | Yes | No | Yes | DCE82C | Yes | Yes | No | Yes |
| B2HLKT | Yes | Yes | No | Yes | DCWD8T | Yes | Yes | No | Yes |
| B8GMFH | Yes | Yes | No | Yes | DDCDQH | Yes | Yes | No | Yes |
| B8UE4T | Yes | Yes | No | Yes | DNTD37 | Yes | Yes | No | Yes |
| BAKKM4 | Yes | Yes | No | Yes | DQZLEC | Yes | Yes | No | Yes |
| BDZ3Q8 | Yes | Yes | No | Yes | DUYVHY | Yes | Yes | No | Yes |
| BEUKZV | Yes | Yes | No | Yes | DW2XYM | Yes | Yes | No | Yes |
| BF32NT | Yes | Yes | No | Yes | DXJTWG | Yes | Yes | No | Yes |
| BJLU42 | Yes | Yes | No | Yes | EBQW2B | Yes | Yes | No | Yes |
| BN2DDV | Yes | Yes | No | Yes | EC9CVB | Yes | Yes | No | Yes |
| BQN2PW | Yes | Yes | No | Yes | EE3V7P | Yes | Yes | No | Yes |
| BTYPG9 | Yes | Yes | No | Yes | EH3CCR | Yes | Yes | No | Yes |
| C3ECCT | Yes | Yes | No | Yes | EP326C | Yes | Yes | No | Yes |
| C8CPHR | Yes | Yes | No | Yes | EU3LCM | Yes | Yes | No | Yes |
| CB9DWD | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | | EUYDVM | Yes | Yes | No | Yes |
| CE9GWM | Yes | Yes | No | Yes | EW2B7F | Yes | Yes | No | Yes |

TABLE 5

| WebCode | Victim (Item 1) | | Suspect (Item 2) | | WebCode | Victim (Item 1) | | Suspect (Item 2) | |
|---------|---|--------|------------------|--------|---------|---|--------|------------------|--------|
| | Item 3 | Item 4 | Item 3 | Item 4 | | Item 3 | Item 4 | Item 3 | Item 4 |
| EXFL9E | Yes | Yes | No | Yes | HPTW33 | Yes | Yes | No | Yes |
| EZ34FE | Yes | Yes | No | Yes | HU8JTZ | Yes | Yes | No | Yes |
| F6UQM8 | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | | HVGKX8 | Yes | Yes | No | Yes |
| F7NF48 | Yes | Yes | No | Yes | HVUALR | Yes | Yes | No | Yes |
| FGJRZT | Yes | Yes | No | Yes | HXX3JW | Yes | Yes | No | Yes |
| FHHXCL | Yes | Yes | No | Yes | HYHHFM | Yes | Yes | No | Yes |
| FQWMAU | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | | J2C3CH | Yes | Yes | No | Yes |
| G3NNB2 | Yes | Yes | No | Yes | J2Z4H9 | Yes | Yes | No | Yes |
| G4DVTC | Yes | Yes | No | Yes | J628AV | Yes | Yes | No | Yes |
| G6L7CA | Yes | Yes | No | Yes | JAV7L7 | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | |
| GECRH8 | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | | JFECFR | Yes | Yes | No | Yes |
| GPAP68 | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | | JPR8RD | Yes | Yes | No | Yes |
| GR3MQK | Yes | Yes | No | Yes | JRAHCB | Yes | Yes | No | Yes |
| GTYU7Q | Yes | Yes | No | Yes | JT62FX | Yes | Yes | No | Yes |
| H4RQP4 | Yes | Yes | No | Yes | JW3JFB | Yes | Yes | No | Yes |
| HAWPZU | Yes | Yes | No | Yes | JXF9JM | Yes | Yes | No | Yes |
| HAXDLE | Yes | Yes | No | Yes | K42NKY | Yes | Yes | No | Yes |
| HAXFBH | Yes | Yes | No | Yes | K8XC4R | Yes | Yes | No | Yes |
| HET3V7 | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | | K9CPWW | Yes | Yes | No | Yes |
| HFNUVJ | Yes | Yes | No | Yes | K9RXUX | Yes | Yes | No | Yes |
| HKEDQM | Yes | Yes | No | Yes | K9YTTC | Yes | Yes | No | Yes |
| HMLFTK | Yes | Yes | No | Yes | KA4TGP | Yes | Yes | No | Yes |

TABLE 5

| WebCode | <u>Victim (Item 1)</u> | | <u>Suspect (Item 2)</u> | | WebCode | <u>Victim (Item 1)</u> | | <u>Suspect (Item 2)</u> | |
|---------|------------------------|--------|-------------------------|--------|---------|------------------------|--------|-------------------------|--------|
| | Item 3 | Item 4 | Item 3 | Item 4 | | Item 3 | Item 4 | Item 3 | Item 4 |
| KALNZC | Yes | Yes | No | Yes | LR6XJR | Yes | Yes | No | Yes |
| KAMLB8 | Yes | Yes | No | Yes | LR6Z9W | Yes | Yes | No | Yes |
| KBH2M6 | Yes | Yes | No | Yes | LTU7NM | Yes | Yes | No | Yes |
| KBH6D9 | Yes | Yes | No | Yes | LTZHAX | Yes | Yes | No | Yes |
| KDB2UF | Yes | Yes | No | Yes | LUGJLZ | Yes | Yes | No | Yes |
| KE7FKE | Yes | Yes | No | Yes | LWHQKJ | Yes | Yes | No | Yes |
| KJYNPL | Yes | Yes | No | Yes | M4XRG8 | Yes | Yes | No | Yes |
| KKLEHD | Yes | Yes | No | Yes | M98P9Z | Yes | Yes | No | Yes |
| KPDLZL | Yes | Yes | No | Yes | MAKJQL | Yes | Yes | No | Yes |
| KU3WCY | Yes | Yes | No | Yes | MD6BZ3 | Yes | Yes | No | Yes |
| KXH8NG | Yes | Yes | No | Yes | MDLME2 | Yes | Yes | No | Yes |
| L2TLM8 | Yes | Yes | No | Yes | MN9GZW | Yes | Yes | No | Yes |
| L4VTEY | Yes | Yes | No | Yes | MP33R3 | Yes | Yes | No | Yes |
| L6WDV8 | Yes | Yes | No | Yes | MXBWKA | Yes | Yes | No | Yes |
| L9PLTM | Yes | Yes | No | Yes | MYKVQC | Yes | Yes | No | Yes |
| L9U6HB | Yes | Yes | No | Yes | MZUYKM | Yes | Yes | No | Yes |
| LA7T3B | Yes | Yes | No | Yes | N6Y9ZU | Yes | Yes | No | Yes |
| LAR3H8 | Yes | Yes | No | Yes | N7TY7A | Yes | Yes | No | Yes |
| LEHMWM | Yes | Yes | No | Yes | NDW9Q4 | Yes | Yes | No | Yes |
| LLY7AU | Yes | Yes | No | Yes | NFNXU3 | Yes | Yes | No | Yes |
| LPETQK | Yes | Yes | No | Yes | NGGTC6 | Yes | Yes | No | Yes |
| LPYEGP | Yes | Yes | No | Yes | NLPBED | Yes | Yes | No | Yes |

TABLE 5

| WebCode | <u>Victim (Item 1)</u> | | <u>Suspect (Item 2)</u> | | WebCode | <u>Victim (Item 1)</u> | | <u>Suspect (Item 2)</u> | |
|---------|------------------------|--------|-------------------------|--------|---------|------------------------|--------|-------------------------|--------|
| | Item 3 | Item 4 | Item 3 | Item 4 | | Item 3 | Item 4 | Item 3 | Item 4 |
| NTCU69 | Yes | Yes | No | Yes | QPXDHK | Yes | Yes | No | Yes |
| NTRPF2 | Yes | Yes | No | Yes | QQYU86 | Yes | Yes | Yes | Yes |
| NUNNRZ | Yes | Yes | No | Yes | QW36RH | Yes | Yes | No | Yes |
| NW9MUW | Yes | Yes | No | Yes | R3MFQ6 | Yes | Yes | No | Yes |
| P2J4WX | Yes | Yes | No | Yes | R4URE9 | Yes | Yes | No | Yes |
| P2KQMK | Yes | Yes | No | Yes | RAL689 | Yes | Yes | No | Yes |
| P7QNNC | Yes | Yes | No | Yes | RBGGA4 | Yes | Yes | No | Yes |
| PDBNEA | Yes | Yes | No | Yes | RFRLTQ | Yes | Yes | No | Yes |
| PHNBBZ | Yes | Yes | No | Yes | RGM98F | Yes | Yes | No | Yes |
| PJXFL4 | Yes | Yes | No | Yes | RH3GJP | Yes | Yes | No | Yes |
| PJYFKH | Yes | Yes | No | Yes | RR4X4Z | Yes | Yes | No | Yes |
| PKT2BN | Yes | Yes | No | Yes | RTHBYN | Yes | Yes | No | Yes |
| PPL3FM | Yes | Yes | No | Yes | RVPNKW | Yes | Yes | No | Yes |
| PTP2QF | Yes | Yes | No | Yes | T6EUWU | Yes | Yes | No | Yes |
| PUJLGL | Yes | | No | Yes | TBF6UL | Yes | Yes | No | Yes |
| Q2QU8L | Yes | Yes | No | Yes | TBF9C4 | Yes | Yes | No | Yes |
| QDT7QU | Yes | Yes | No | Yes | TBYWX6 | Yes | Yes | No | Yes |
| QFDZLA | Yes | Yes | No | Yes | TG27ZQ | Yes | Yes | No | Yes |
| QGEGBU | Yes | Yes | No | Yes | THDYNE | Yes | Yes | No | Yes |
| QK8ZGW | Yes | Yes | No | Yes | TM7XDV | Yes | Yes | No | Yes |
| QKRHYK | Yes | Yes | No | Yes | TMNVML | Yes | Yes | No | Yes |
| QP4C74 | Yes | Yes | No | Yes | TPCLFD | Yes | Yes | No | Yes |

TABLE 5

| WebCode | <u>Victim (Item 1)</u> | | <u>Suspect (Item 2)</u> | | WebCode | <u>Victim (Item 1)</u> | | <u>Suspect (Item 2)</u> | |
|---------|------------------------|--------|-------------------------|--------|---------|---|--------|-------------------------|--------|
| | Item 3 | Item 4 | Item 3 | Item 4 | | Item 3 | Item 4 | Item 3 | Item 4 |
| TTTWLV | Yes | Yes | No | Yes | VE2XFC | Yes | Yes | No | Yes |
| TVZWZA | Yes | Yes | No | Yes | VFJP6P | Yes | Yes | No | Yes |
| TZC62E | Yes | Yes | No | Yes | VKB7AM | Yes | Yes | No | Yes |
| TZRBG4 | Yes | Yes | No | Yes | VNWMUT | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | |
| U9MJRM | Yes | Yes | No | Yes | VP7QAD | Yes | Yes | No | Yes |
| UET3ZN | Yes | Yes | No | Yes | VQFTZH | Yes | Yes | No | Yes |
| UGKACX | Yes | Yes | No | Yes | VUEA97 | Yes | Yes | No | Yes |
| UJ9LAH | Yes | Yes | No | Yes | VWLK9F | Yes | Yes | No | Yes |
| UJKNC9 | Yes | Yes | No | Yes | VWLPJH | Yes | Yes | No | Yes |
| ULVALH | Yes | Yes | No | Yes | VX2YKV | Yes | Yes | No | Yes |
| UM6837 | Yes | Yes | No | Yes | VXZ3D7 | Yes | Yes | No | Yes |
| UNFHAA | Yes | Yes | No | Yes | VZPD6Y | Yes | Yes | No | Yes |
| UW7BRV | Yes | Yes | No | Yes | W2CEJL | Yes | Yes | No | Yes |
| UXQB9K | Yes | Yes | No | Yes | W382XB | Yes | Yes | No | Yes |
| UY2BB7 | Yes | Yes | No | Yes | W86AT7 | Yes | Yes | No | Yes |
| UYE22C | Yes | Yes | No | Yes | W9GYZP | Yes | Yes | No | Yes |
| UZRNLK | Yes | Yes | No | Yes | WACKRV | Yes | Yes | No | Yes |
| V47HYN | | | | | WCT3DK | Yes | Yes | No | Yes |
| V9ZLV2 | Yes | Yes | No | Yes | WDMTJZ | Yes | Yes | No | Yes |
| VB4EFY | Yes | Yes | No | Yes | WGBEGG | Yes | Yes | No | Yes |
| VCYXJL | Yes | Yes | No | Yes | WL8TBX | Yes | Yes | No | Yes |
| VDTNPZ | Yes | Yes | No | Yes | WN82GT | Yes | Yes | No | Yes |

TABLE 5

| WebCode | Victim (Item 1) | | Suspect (Item 2) | | WebCode | Victim (Item 1) | | Suspect (Item 2) | |
|---------|-----------------|--------|------------------|--------|---------|---|--------|------------------|--------|
| | Item 3 | Item 4 | Item 3 | Item 4 | | Item 3 | Item 4 | Item 3 | Item 4 |
| WNDGPN | Yes | Yes | No | Yes | YEULXY | Yes | Yes | No | Yes |
| WR8BMP | Yes | Yes | No | Yes | YFPG48 | Yes | Yes | No | Yes |
| WYRCU2 | Yes | Yes | No | Yes | YFQ8EW | Yes | Yes | No | Yes |
| XAK9DE | Yes | Yes | No | Yes | YLRHA4 | Yes | Yes | No | Yes |
| XAQ9MV | Yes | Yes | No | Yes | YQ3QJK | Yes | Yes | No | Yes |
| XBEU6K | Yes | Yes | No | Yes | YR4CLR | Yes | Yes | No | Yes |
| XEHRFD | Yes | Yes | No | Yes | YRJLN2 | Yes | Yes | No | Yes |
| XFTE8Z | Yes | Yes | No | Yes | YULKH7 | | | | |
| XHXBK2 | Yes | Yes | No | Yes | YYGDUA | Yes | Yes | No | Yes |
| XJBH94 | Yes | Yes | No | Yes | YYHEC2 | Yes | Yes | No | Yes |
| XK6GVG | Yes | Yes | No | Yes | YZYCXV | Yes | Yes | No | Yes |
| XMUTT2 | Yes | Yes | No | Yes | Z2KPR2 | Yes | Yes | No | Yes |
| XN6P3C | Yes | Yes | No | Yes | Z4QVMB | Yes | Yes | No | Yes |
| XRMU72 | Yes | Yes | No | Yes | ZADMU4 | Yes | Yes | No | Yes |
| XV6YX6 | Yes | Yes | No | Yes | ZGD8WY | Yes | Yes | No | Yes |
| XVNVYJ | Yes | Yes | No | Yes | ZGHKEU | Yes | Yes | No | Yes |
| XWD3GU | Yes | Yes | No | Yes | ZGYLGW | Yes | Yes | No | Yes |
| XXNAH3 | Yes | Yes | No | Yes | ZGZJNK | Yes | Yes | No | Yes |
| Y27JDL | Yes | Yes | No | Yes | ZH8YWC | Yes | Yes | No | Yes |
| Y6BD2H | Yes | Yes | No | Yes | ZH9MBG | Yes | Yes | No | Yes |
| Y72JJU | Yes | Yes | No | Yes | ZN2VNN | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | |
| YDLHA3 | Yes | Yes | No | Yes | ZRDQHZ | Yes | Yes | No | Yes |

TABLE 5

| WebCode | Victim (Item 1) | | Suspect (Item 2) | | WebCode | Victim (Item 1) | | Suspect (Item 2) | |
|---------|-----------------|--------|------------------|--------|---------|-----------------|--------|------------------|--------|
| | Item 3 | Item 4 | Item 3 | Item 4 | | Item 3 | Item 4 | Item 3 | Item 4 |
| ZVHGMU | Yes | Yes | No | Yes | | | | | |

| DNA Interpretation | | | | | |
|--|----------|-----------------|---|------------------|------------|
| Response Summary | | | Participants reporting DNA results: 351 | | |
| <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> | | | | | |
| Responses | | Victim (Item 1) | | Suspect (Item 2) | |
| | | Item 3 | Item 4 | Item 3 | Item 4 |
| | Yes | 339 | 337 | 1 | 339 |
| | No | 0 | 1 | 338 | 0 |
| Inc | 0 | 0 | 0 | 0 | |

Participants not reporting Interpretation results: 12

Additional Comments

TABLE 6

| WebCode | Additional Comments |
|---------|--|
| 2DD7G3 | A reproducible low-level 15 third allele was detected in CSF1PO for both item 3 and the victim's reference (item 1). Since the victim's reference is presumed to be single source and there are no other signs of a mixture in the STR typing results, this may represent a genetic anomaly. |
| 2JXGD4 | For Item 1, CSF1PO contains three alleles. Allele 15 is in a stutter position, but is elevated; therefore, this allele was not removed. For Item 3, CSF1PO contains four alleles. Alleles 13 and 15 are in stutter positions, but are slightly elevated. This is still considered a single-source profile; CSF1PO was dropped from statistical calculations. |
| 2KED4H | For the Question sample 4e fraction additional data was observed. An 18 allele was observed at D8S1179 and a 15 allele was observed at CSF1PO but cannot be conclusively interpreted. |
| 2RTGTW | I observed elevated n+4 (15-allele calling at as high as 14%) at CSF1PO in Items 3 and 4. Item 3 was extracted twice and the n+4 came up both times. Item 4 was extracted three times and it showed up twice in the epithelial fraction. The elevated n+4 didn't call in the GlobalFiler express direct amp of Item 1. Item 3[sic] was extracted three times due to drop out and low level/mixture being detected in the sperm fraction. During serology, a rating of 2/3+ sperm cells was given for item 4. During the differential extractions of item 4, additional slides were made of the extract and no sperm were observed in all three extractions. After the third extraction of item 4, I was able to major in the sperm fraction at 11 loci according to [Laboratory] procedures. |
| 2YYYLQ | Sexual assault cases are screened in the Forensic Biology Unit prior to being processed in the DNA Unit. Samples #3 & #4 were tested and the following results were generated: #3 RSID-blood and HemaTrace positive, Semen negative, amylase negative, Urine negative, and Urobilinogen negative. #4 RSID-blood and HemaTrace positive, Extract smears: SH 2+ positive, CT 1+ positive, P30 positive and amylase negative. Analyst taking this test conducted KM screening on samples #3 & #4. The following results were generated: #3 KM positive and #4 KM positive. Note: Identifiler Plus and Minifiler results concordant (although item #1 triallele at CSF:15 is not detected in Minifiler result). |
| 37QTYF | Victim Item 1 - peaks were observed in the 10, 14, 15 bin locations at CSF (the 15 peak is in N+4 position at 12.65%), the 15 is inconclusive as to possible N+4, possible tri-allele pattern or other genetic anomaly. The locus was not used for comparison or statistics. |
| 3E8ARP | Identifiler Plus and Minifiler results are concordant except that items #1 and #3 CSF1PO 15 allele is not detected in Minifiler results. All serological testing done by Forensic Biology analyst. [From Table 1 - Serology Screening Results, Item 3: "*INC AP result - unable to discern color change [due to reddish-brown color."] |
| 3W34VZ | Item 3, CSF1PO locus: Possible elevated stutter was detected for the 14 allele, in the N+4 position, using the Minifiler kit. |
| 42UQA7 | Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. |
| 4EKGCW | for items 1, 3 and 4: CSF1PO - triallelic locus, a third peak "15" was noted - low peak height. |
| 4QDW2X | In items 1, 3 and 4 (epithelial fraction) a 15 was observed at CSF1PO and it could not be determined whether it is an artifact or true allele, therefore the 15 was not included in the above table. Alleles below the stochastic threshold (700rfu) from item 4 sperm fraction at loci with only 3 alleles are not included in the above table due to the alleles not being reproduced: 13 allele at D13S317 and 32.2 allele at D21S11. |
| 64EX6M | All serological testing except KM were performed by analyst in Forensic biology unit. KM testing performed by DNA testing analyst. Minifiler and Identifiler Plus results were concordant at all overlapping test sites for each sample. |
| 68WVZ4 | Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. |

| WebCode | Additional Comments |
|---------|---|
| 6N2H8X | An elevated n+4 stutter from allele "14" of the CSF1PO locus was detected for Item 1, Item 3 and the epithelial fraction of Item 4 when the Identifiler Plus kit was used. The elevated stutter could be a PCR artefact or caused by rare somatic mutation at the heterozygous locus. This elevated stutter was not detected with the Minifiler kit. |
| 6QPXG6 | -- (dashes) = Possible additional genetic information may be present. The profile obtained at CSF for Item 1 and Item 3 = 10,14,15. There was no indication of any extra data across the rest of the profile. Item 1 and Item 3 appear to have a tri-allelic pattern at CSF. The profile obtained at 4X1(4e) is consistent with a mixture of the victim and suspect to include the tri-allelic pattern for the victim at CSF. |
| 6QQNRU | Anomalous low level peak (15) seen at CSF1PO in items 1, 3 and 4. Possible tri-allele or genetic mutation. |
| 6TYV3A | The inconclusive result on Item #4sp at D21S11 was due to the peak heights of the 28 and 31.2 alleles falling below the laboratory cutoff value of 60%. |
| 766AFR | NR = no results. Item 3 and Item 4 were tested in MiniFiler and the results were concordant with Identifiler Plus. |
| 769YTP | Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed. |
| 7AEQQ2 | Item 1, Known blood from female victim, has additional genetic data detected at CSF1PO. A 15 allele was detected which is in the forward stutter position of the 14 allele however, was outside our validated forward stutter thresholds. |
| 7C8KKP | Item #1 and epithelial fraction of Item #4 showed a 15 allele at CSF1PO which was relabeled as an inconclusive allele (possible elevated n+4 stutter or possible tri-allelic locus). |
| 7MP66L | For Sample 3: Minor allele at the N+4 stutter position at CSF1PO. No other indication of minor allele in profile, but the relative height to the parent peak is high for an N+4 stutter, therefore deemed inconclusive. Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed. |
| 7Y6RF8 | NR = not reportable |
| 84PBV3 | I observed a very low-level 15 peak (indeterminate possible allele) at CSF for items 3 and 1. Both of these samples appear to otherwise be from a single source. No other indication these samples are mixtures. Unsure if this peak is elevated N+4 stutter or a true tri-allele. |
| 8B7VAZ | This test is intended as a stain identification/serological screening proficiency only. I, [Name], am not yet a fully competent DNA analyst. |
| 8F4EAD | A minor 15 allele was observed at CSF1PO in Item 1 and Item 4e profiles. It may be elevated N+4 stutter. |
| 8HP839 | The peak height ratio for D2S1338 for the sperm fraction for Item #4 was less than 60 which is what we use for our heterozygote model, therefore I had to report that locus as inconclusive. The epithelial fraction for Item #4 was a mixture. I was able to pull out a major, but not at all loci/locations. This did not affect my comparisons. |
| 8TJNM3 | Additional genetic data, located within bin 15, detected at the CSF locus in samples 1 and 3. The peak was located in stutter position which fell within the laboratory's stutter threshold for that locus. As per laboratory protocol, the peak was edited as stutter in samples 1 and 3. |
| 8W4FUY | A reproducible, possible tri-allelic genotype (10,14,15) was detected at CSF for Item 3. The low-level 15 allele however, could also possibly be elevated n+4 stutter. The same three alleles (10,14,15) were also detected at CSF for Item 1, however the low-level 15 allele was de-labeled as possible n+4 stutter based on the laboratory's n+4 stutter thresholds. Due to the uncertainty regarding the possibility of a tri-allelic genotype vs. elevated n+4 stutter at CSF for these two items, the 15 allele was determined to be inconclusive and was not reported. |
| 973PHZ | A 15 allele at CSF1PO was detected in Items 1, 3, and 4. This peak fell above our validated stutter |

| WebCode | Additional Comments |
|---------|--|
| 973PHZ | A 15 allele at CSF1PO was detected in Items 1, 3, and 4. This peak fell above our validated stutter threshold and therefore had to be confirmed before being edited as stutter. A possible 10 allele at TH01 in the mixture from Item 4 was visible but did not resolve from the neighboring 9.3. This allele is consistent with the profile obtained from Item 2 (suspect's reference). |
| 9AUFFZ | Item 1, Item 3, and the epithelial fraction of Item 4 have a possible triallele at CSF1PO. |
| 9C2QEN | A possible low-level tri-allelic pattern was observed- possible CSF(15) allele was detected in Item-1, 3, and 4 Ep. The possible allele was designated INC. |
| 9CZZ4Z | For items 1.1, the victim standard, and 1.3, torn fabric found at crime scene, a third allele (15) was detected at CSF1PO. This allele is above the +4 stutter percentages for PPX16, so it was not clicked off as +4 stutter. However, although not a tri-allele pattern documented by NIST for this locus, the rfu values do numerically fit a tri-allele pattern. Hence, CSF1PO was designated as a tri-allele locus for items 1.1 and 1.3. Allele 15 is also visible in the mixture profile from the non-sperm fraction from Item 1.4, but the GeneMapper software filtered it out at +4 stutter. This was not detected until comparisons to reference standards were made, therefore, the allele was not clicked back on. |
| 9F2YKK | Inconclusive peaks were observed at CSF1PO in Item 1 and Item 3. In both of these samples, the peak was too tall to be considered n+4 stutter. As the peaks were reproducible in multiple samples, including a reference sample, it is possible that a tri-allele exists at CSF (15) for these samples. |
| 9G8HCZ | Item 1, 3, and 4: a 15 allele at CSF was detected in these profiles in forward stutter position of the 14 allele, but is outside my laboratory's validated forward stutter threshold. Item 4: The 10 allele is believed to be present at TH01, contributed by the suspect, but is being masked by the large 9.3 allele (smoothed into the curve of the larger peak due to insufficient resolution). |
| 9JV6VF | The victim's reference sample contained a tri-allele at CSF1PO; The two major alleles are 10,14 and the minor tri-allele is a 15. This tri-allele was observed in the "EC" fraction of Item 4 but was not observed above analytical threshold on item 3. |
| 9L8V76 | CSF1PO locus was not used for comparison of statistical analysis of any samples due to possible mutation in Item 1. |
| 9UVQYT | For samples 3A-2PT and K1-1 there is an allele 15 at the CSF1PO locus that is in the n+4 stutter location that will not be edited. Both samples were re-amplified and confirmed with the same result. |
| A8ZDMG | *Screening tests performed by Forensic Biology Analyst, they also did KM. NR = No Results. Identifiler plus and minifiler results were concordant. I, the DNA analyst, performed my own KM testing. |
| AAKCTY | One additional peak (allele 15) was detected in the forward stutter position at CSF1PO in Items 1, 3 and 4. This peak was outside our normal stutter filter, but was not reported. |
| AGRH2C | Unique findings: In process of analysis I noted that the 10 peak at TH01 in the e.cell fraction of item 4 did not resolve. Per unit protocol for troubleshooting issues, the sample was re-injected on a separate instrument, then re-amped at 2 different concentrations and the peak in question still did not resolve. This information is captured in the sperm cell fraction of item 4. |
| AZEFW9 | A peak at the 15 position of the CSF locus was detected for Items 1 and 3 at approximately 6% of the 14 allele. This same peak was not detected, but was observed below the peak amplitude threshold for Item 4's epithelial fraction. It appears to be inherent to the female profile for this test. It is inconclusive if this peak is a possible tri-allele pattern, elevated N+4, or some other genetic anomaly. It was considered inconclusive for reporting purposes. |
| B236PZ | Minor allele [15] reported at CSF1PO for the nonsperm fraction of item 4 also observed below analytical threshold in item 3 and item 1. The DNA profile obtained from item 3 and item 1 is consistent with being one of the contributors to the mixture in item 4NS. |
| BF32NT | Item 1 is a possible triallele at CSF. Allele 15 at this locus is in reverse stutter position for the analyzed peak, but because it is higher (10%) than is expected (max of 7%) for reverse stutter peaks, and is also higher than the associated stutter of stutter peak (which is normally approximately equivalent to reverse stutter peak heights), it does not follow the the characteristic morphology pattern of reverse stutter. It is |

| WebCode | Additional Comments |
|---------|--|
| BF32NT | Item 1 is a possible triallele at CSF. Allele 15 at this locus is in reverse stutter position for the analyzed peak, but because it is higher (10%) than is expected (max of 7%) for reverse stutter peaks, and is also higher than the associated stutter of stutter peak (which is normally approximately equivalent to reverse stutter peak heights), it does not follow the the characteristic morphology pattern of reverse stutter. It is determined that CSF is a possible trisomic locus (10,14,15). |
| CE9GWM | 1. Item 1 and Item 2 were extracted in situ and amplified using Identifiler Direct Kit. 2. Item 3 and Item 4 were extracted using Chelex extraction method and quantify using Quantifiler Human DNA Kit and run with 7500 Real Time PCR. 3. Item 3 and Item 4 were amplified using AmpFISTR Identifiler[sic] Plus Kit. 4. Item 1 to Item 4 were amplified using Y-Filer Kit. 5. Item 1 to Item 4 were run electrophoresis using Genetic Analyzer 3130xl. 6. Reagent blank, positive control and negative control were carried out through[sic] the analysis. |
| CHQQUQ | A low-level 15-allele at the CSF1PO locus was observed for items 1, 3, and 4 (epithelial cell fraction) which may be an elevated N+4 stutter peak or possible third allele. |
| CRF9TT | Item 1 and 3 - the CSF1PO locus will not be used for statistics. Allele 15 is in the reverse stutter position, but not acting like reverse stutter (no indication sample is overloaded at other loci). It is above our lab's stochastic threshold, so going to include it as an allele, but the peak height is imbalance with the other 2 alleles at that locus and the rest of the profile. Item 4 - the CSF1PO locus will not be used for statistics. Allele 15 is in the reverse stutter position, but not acting like reverse stutter (no indication sample is overloaded at other loci). There are 5 alleles at that locus, could be a minor component, but no other indication at the other loci (or minor alleles with a similar peak height). Allele 15 is above our lab's analytical threshold, but below our stochastic threshold, so this locus will not be used for stats. I am going to leave it in the profile, but noted the peak height is much lower than all other alleles in profile. |
| D3DT9Q | For Items 3 and 1 a possible tri-allelic pattern was observed at CSF (10,14,15). This possible tri-allelic pattern could also account for the 5 alleles observed at CSF (10,11,12,14,15) for Item 4e. The (15) allele at CSF could not conclusively be determined to be n+4. |
| DQZLEC | The amylase test for saliva had an equipment malfunction resulting in the inconclusive result. |
| EC9CVB | ^ =Alleles below stochastic. It would be helpful to be able to report conclusions for EF separately than SF. |
| EE3V7P | NR = No typing result obtained at this locus. NT = not typed at this locus. * A reproducible CSF1PO "15" allele was detected for both Item 1 and Item 3. This allele was present at a lower level than the "10" and "14" alleles in both samples. There were no other indications of a mixture for these samples. Since Item 1 is reportedly single source (a reference sample) and Item 3 appears to be single source (is the same profile as Item 1), the minor type may be a genetic anomaly. |
| EUYDVM | An extra DNA peak was observed at the CSF1PO locus for items 1 and 3. The two items were re-extracted and re-run. The results of the re-extraction show that the DNA peak at the CSF1PO is reproducible in both item 1 and item 3. The extra DNA peak observed for item 1 and item 3 at the 15 allele position may be abnormally elevated n+4 stutter or it may be a true 15 allele (tri-allele). |
| EXFL9E | Item 1 had an inconclusive allele at CSF1PO. The '15' could either be elevated N+4 or triallelic. |
| F7NF48 | A minor allele was detected in all three samples containing the victim's DNA in this case, including the victim's reference sample. The DNA type is a 15 at CSF1PO. The allele ranges from approximately 4.3%-8.5% (56-104rfu) of the 14 allele at CSF. Our highest observed n+4 allele at CSF was seen at 3.3% in the validation; therefore, the 15 allele is reported as a minor DNA type in items 1, 3, and 4NS. |
| G3NNB2 | Yfiler analysis was performed on Items 1, 2, and 4 only. NR = No result. |
| G6L7CA | There was a minor peak at CSF1PO (15 allele) observed in the known item 1 as well as the epithelial fraction for the unknown item 4. It was above our lab's threshold for N+1 stutter. Based on observing this in both known and unknown samples, this suggests a possible genetic anomaly. |
| GR3MQK | Possible n+4 stutter or tri-allele pattern observed at the CSF1PO locus in Items 1, 3 and 4 could not be ascertained. |
| HAXFBH | 15 @ CSF1PO observed in 3-1 and 4-1 cannot discount the possibility of genetic anomaly or additional |

| WebCode | Additional Comments |
|---------|--|
| HAXFBH | 15 @ CSF1PO observed in 3-1 and 4-1 cannot discount the possibility of genetic anomaly or additional minor amount of DNA detected in both samples. |
| HMLFTK | 1.1 -> An extra allele 15, in the reverse stutter position, at CSF has a peak height ratio of 10.7% of the 14 allele. As reverse stutter is not expected to have that high of a percentage and there are no other indications of second contributor, this locus could possibly contain a tri-allele and all alleles were included. 1.3-> An extra allele 15, in the reverse stutter position, at CSF has a peak height ratio of 8.1% of the 14 allele. Reverse stutter is not expected to have that high of a percentage and there are no other indications of second contributor. After comparing this profile to the profile from the reference standard from female victim, the allele 15 is also present at CSF in the reference standard. As this locus could possibly contain a tri-allele all alleles were included. |
| HU8JTZ | An extraneous peak binned as a 15 at CSF1PO was seen in the non-sperm fraction of Item 4. This peak was located in an n+4 stutter position and was deemed inconclusive. This peak was above the calling threshold in this sample, but was seen below the threshold for Items 1 & 3; therefore, it is unknown whether it could be elevated n+4 stutter, a tri-allele, or other sample specific anomaly. |
| HYHHFM | A low-level indeterminate possible 15 allele was also detected at CSF1PO for item 3. A low-level inconclusive peak in the 15 allele position was also detected at CSF1PO for item 1. Both items were re-extracted. The low-level indeterminate possible 15 allele was confirmed for item 3, but the peak in the 15 allele position for item 1 could not be confirmed. This may be due to a triallelic event or elevated n+4 stutter. |
| JT62FX | Analysis for Item 1 and Item 2 was carried out by the FTA method. DNA extraction for Item 3 and Item 4 was by phenol-chloroform method. Amplification kits used were the Identifiler® Plus (STR) and Yfiler® (YSTR). Separation and detection was on the ABI 3130xl Genetic Analyzer and analysis was by GeneMapper® ID v3.2.1. |
| JXF9JM | The Suspect's profile matched the foreign contributor's profile on item 4 except for at TH01. Upon reviewing the raw data there is a peak at the 10 allele location. Since the ladder called both 9.3 and 10 at TH01 and the analysis software did not have good enough resolution to call the 10 peak at TH01 for item 4, it was marked INC and not used for the analysis. |
| KE7FKE | In item 4e, a 15 allele was detected at CSF1PO (at 107 rfu); a second injection confirmed the presence of this 15 allele (at 81 rfu). The DNA profile of item 4e is a mixture of DNA of at least two contributors. Assuming a contribution of male DNA from 4sp, a female DNA profile was interpreted. At CSF1PO, the 15 allele is either part of a tri-allele (from either 4sp or the female source), or a trace contribution from a third donor, or artifactual. Evaluating the DNA profiles of the victim (item 1) and item 3 showed a subthreshold peak at CSF1PO coincident with the 15 position. There is no such peak in the profile of the suspect (item 2). In the opinion of this analyst, the minor 15 allele detected at CSF1PO in item 4e can be attributed to the DNA profile of the victim (item 1) and is not an artifact. |
| KJYNPL | Item 4 ep Additional allele at CSF1PO - 15 (7% of allele 14 ph) too large for +stutter (per our protocol), locus used for exclusion only - locus not used for stats. Item 1 Additional allele at CSF1PO - 15 (7% of 14 ph) too large for +stutter (per our protocol) - possible tri allele - locus will be used for exclusion only. Item 3 CSF1PO possible loss of data (possible 15 allele present below analytical)- not used for stats |
| KKLEHD | 1. Item 1 and Item 2 were amplified using AmpFISTR Identifiler Direct Kit. 2. Item 3 and Item 4 were extracted using chelex extraction method. 3. DNA quantification was carried out using Quantifiler Human DNA Quantitation kit on 7500 Real-Time PCR. 4. Item 3 and Item 4 were amplified using AmpFISTR Identifiler Plus Kit. 5. All items undergone amplification of Y-STR using AmpFistr Y-Filer Amplification Kit. 6. Capillary electrophoresis was carried out using the Applied Biosystems 3130xl Genetic Analyzer with GeneMapper ID Software. 7. Reagent blank, positive control and negative control were carried out throughout the analysis. |
| KU3WCY | Test Item 3 and test Item 1 had an unexpected result. In CSF1PO locus had an extra allele resulting in 3 alleles instead of the expected 1 or 2 alleles since I am assuming that both are from single contributors. * minor allele or possible tri allele or elevated plus 4 stutter |

| WebCode | Additional Comments |
|---------|---|
| KXH8NG | Note: At CSF1PO, a 15 peak could not be resolved as an artifact or true allele in Item 3 (epithelial fraction)[sic], Item 4 and Item 1. |
| L2TLM8 | Screening tests on Items #3 and #4 were performed by Forensic Biology Examiner. Minifiler DNA results were concordant with Identifiler Plus results. [From Table 1- Serology Screening Results, Item 3: *inc - due to reddish-brown staining.] |
| LA7T3B | Sample 3 has a possible tri-allele or a N+4 "15" peak in CSF. This peak is 6.6% of the 14 peak. This peak was also observed in sample 4e (NSF) and sample 1. |
| LPETQK | Item 4e: was not room in field to fit DNA results for SE33 Locus: 14,28.2,29.2,30.2. Item #1 (victim) could not be excluded as a contributor to the epithelial fraction of item #4 (shorts): However, item #1 (victim) is excluded as a contributor to the sperm fraction of item #4 (shorts). No Y-STR analysis was performed on item #1 (victim). |
| LR6XJR | Item 4: Differential extraction: major component of the epithelial fraction matches victim, all other minor alleles are carry-over from the sperm fraction. A single minor allele in the sperm fraction is consistent with carry-over from the epithelial fraction. |
| LR6Z9W | A tri-allele (10,14,15) was detected at CSF in the bloodstain (Item 3) and the Victim reference (Item 1). Both samples were re-amplified and the tri-allelic pattern was confirmed. Contamination from the analyst was ruled out. In all four amplifications, the 15 allele was approximately 6% of the height of the 14 allele. A 15 allele was not detected in the non-sperm (epithelial) fraction of the mixed blood and semen stain (Item 4e) or its re-amplification, however the rest of the profile is concordant with the Victim being a donor to the mixture. Based on observed peak heights of the alleles at CSF, which were under 500 RFU, the 15 allele would be expected to appear well below the analytical threshold of 50 RFU set by this laboratory. In the bloodstain (Item 3), the 15 allele was below the laboratory's stochastic threshold of 130 RFU. For that reason, the 15 allele is being reported in parentheses. |
| LTU7NM | Item 4 is consistent with Item 2 at all locations except TH01 where 1 of 2 alleles was present. The Y-STR profiles for both Item 2 and Item 4 were a match. Internal reporting denoted as Item 4 is consistent with known profile obtained in Item 2 and could be a contributor with the omission of TH01, due to a possible PCR anomaly yielding a possible drop out of the sister allele (10). |
| LTZHAX | NR = sample was analyzed for YSTRs, but no DNA results were detected at the given locus. Female reference samples are not analyzed for YSTRs, therefore Item 1 was not analyzed for YSTRs. |
| LUGJLZ | [Initials] performed semen screening on Items 3 & 4 because I am not qualified to perform semen screening. |
| LWHQKJ | Item 1.3: Allele 15 at CSF1PO. Item 1.4 (epithelial): Allele 15 at CSF1PO. Item 1.4 (sperm): Allele 13 at D16S539. Our policy allows for us to keep these alleles in the profiles (as opposed to removing them as possible reverse stutter) and state they are additional allelic activity and insufficient data for comparisons and statistics. |
| M98P9Z | A 15 allele was noted at CSF1PO in both Items 1 and 4e. The allele appeared to be consistent between both the VICTIM reference and the Epi fraction of the Victim's shorts. This could be a result of elevated n+4 stutter. Also, detected an additional peak (24) at D2S1338 in Item 4e. This peak is located between two alleles which could be causing elevated stutter. |
| MAKJQL | Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. |
| MDLME2 | Per supervisor and Quality Manager, portions of items 3 and 4 were sampled for another analyst to conduct some of the screening tests. And I would continue on the DNA processing. I conducted the O-tol test. Another analyst conducted AP, P30, and Micro. |
| MP33R3 | In item 4NS and item 1 a high n+4 peak (15 allele) was visible at CSF1PO. |
| MYKVQC | DNA in the item 4 is a mixture of DNA in items 1 and 2. |

| WebCode | Additional Comments |
|---------|---|
| MZUYKM | Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. |
| NLPBED | Item 4 epithelial fraction is a mixture of 2 individuals and has 5 alleles detected at CSF1PO (10,11,12,14,15). The 15 has a lower peak height than the other alleles and is in reverse stutter position; however, it's RFU value indicates that it is not reverse stutter, but rather a trisomy. The same was noted for single source profile from item 3, with 3 alleles detected (10,14,15). This was also noted for single source profile from item 1 reference standard, with 3 alleles detected (10,14,15). The 15 peak in the 3 aforementioned profiles (at CSF1PO) was determined to be an allele associated with a trisomy and was reported on this data sheet and left on the electropherograms. [Participant included additional documentation that could not be replicated in this report.] |
| NTRPF2 | Possible tri-allelic in CSF for Items 1 and 3. |
| NUNNRZ | Minor allele in tri-allele pattern in V profile (15 at CSF) observed in first amp of V ref and was subthreshold in first amp of stain 3 (single source) and 4ec (mixture) - reamplification of V ref and stain 3 reproduced minor 15 at CSF in both samples which confirms as a true allele. |
| PDBNEA | An apparent tri-allelic pattern was observed at CSF1PO- 10,14 with a 15 allele being detected at 6% of the 14 allele from Item 1. The epithelial fraction result of 4-1 also had the 15 allele at approximately 9%. Sample 3-1, a peak, which would correspond to a 15 allele at CSF1PO, was detected but it was below our LOD, therefore not recorded. The results at CSF1PO do not indicate that it is due to forward stutter. |
| PJYFKH | A possible tri-allele was detected in CSF1PO for items 1, 3, and 4e. |
| PPL3FM | Items 3 and 4 (both fractions) were amp'd with both Identifiler and Minifiler. All results were concordant. |
| PTP2QF | Additional allele 15 at CSF1PO was detected in Item 1, Item 3, and Item 4e. This allele is above the manufacturers +4 stutter percentage in all 3 samples and could be elevated stutter or a tri-allele. |
| PUJLGL | Minifiler results are concordant with Identifiler Plus results. The results were interpreted using Missing Persons protocols which do not interpret mixtures. Autosomal results for Item 4 indicated a mixture. Yfiler results for Item 4 indicated a single source profile matching the suspect (Item 2). Therefore Item 2 can be a contributor to Item 4. Items 1 and 3 in Identifiler Plus and Item 3 in Minifiler exhibited a weak 15 allele at CSF1PO. This was interpreted as n+4 stutter. It is possible this is a weak allele which would make this locus a tri-allele. |
| QDT7QU | Items 1 and 3 for STR at location CSF1PO show a minor allele 15 which appears to be elevated N + 4 stutter and not part of the profile. |
| QFDZLA | An indeterminate possible 15 allele was detected at the CSF1PO locus for item 1 and item 3. These items were both re-sampled and extracted w/ different extraction methods than used for the first sampling. The indeterminate allele was not detected for item 1 or item 3 in the second extraction. This possible allele could be due to elevated N+4 stutter or a tri-allele. |
| QK8ZGW | Possible genetic anomaly observed: small 15 allele at CSF1PO. Observed in comparison sample (item 1) as well as 2 unknowns (items 3 and 4). |
| QQYU86 | Quantitation of Item 3 showed low level male DNA. Item 3 was amplified with Yfiler and a male profile matching Item 2 (Suspect) was found. New cuttings were taken of various areas of the stain on Item 3 and extracted. A male profile consistent with Item 2 (Suspect) was found in specific areas of the stain but not throughout the stain. Also noted in Item 1 (Victim) was elevated N+ stutter at CSF1PO at approximately 5% of the parent, allele 14. |
| RGM98F | Item 3- an additional peak was detected at CSF1PO 15 allele (not reported), plus stutter position to the major 14 allele. This peak was designated as a +4 stutter peak, values were above our validated stutter threshold. |
| TBF6UL | - Item 3 Positive blood, negative semen. - Item 4 Positive blood, positive semen. - The genetic profile of the victim (item 1) match the genetic profile of blood stain on item 3. - Differential extraction performed for blood and sperm on item 4 and the genetic profile of blood shows mixture between victim (item 1) and suspect (item 2), the genetic profile of the sperm match the genetic profile of the suspect (item 2). |

| WebCode | Additional Comments |
|---------|--|
| TBF6UL | - Item 3 Positive blood, negative semen. - Item 4 Positive blood, positive semen. - The genetic profile of the victim (item 1) match the genetic profile of blood stain on item 3. - Differential extraction performed for blood and sperm on item 4 and the genetic profile of blood shows mixture between victim (item 1) and suspect (item 2), the genetic profile of the sperm match the genetic profile of the suspect (item 2). |
| TBYWX6 | possible triallele (15) or elevated N+4 at CSF for item 1 (victim) reference and samples 3 and 4 where item 1 (victim) is included. This observed peak is below our interpretation threshold. |
| TG27ZQ | For ID+ results, a 15 allele was detected in item 4 (e fraction) at the CSF1P[sic] locus which may or may not be elevated stutter. The 10 allele at the TH01 locus in item 4 (e fraction) could not be fully resolved and detected in OSIRIS. However, a shoulder on the 9.3 allele can be seen in the raw data. |
| THDYNE | The known victim sample (item 1) and the questioned stain (item 3) both contained one minor allele, in addition to the major genotype, at CSF1PO. This allele was reproducible above analytical threshold in both item 1 and item 3 and can be considered a rare anomaly. |
| TM7XDV | Elevated N+4 ("15") at CSF1PO in samples 1, 3, and 4NS. |
| TTTWLV | A tri-allelic pattern 10,14>15 was detected at CSF1PO for the reference from the victim (Item 1) and stain from the torn fabric (Item 3). The peak height ratio between the 14 and 15 was consistent for both samples. The 15 allele was not detected in the EC fraction from the stain from the victim's shorts (Item 4). Due to the lower RFU of the 14 allele in this sample, it is not unexpected that the 15 allele fell below the analytical threshold. |
| TVZWZA | A peak in the 15 allele N+4 position @ CSF1PO was detected in Item 1 and Item 3. The peak is possible elevated N+4 stutter or a tri-allele, low level peak. |
| TZRBG4 | Evidence samples 03A and 04A were also amp'd with MiniFiler. Corresponding loci are consistent with Identifiler Plus results. |
| UJKNC9 | *A 15 allele at CSF was detected in the first amplification of item 1, at a lower level than the 10 and 14 alleles. There was no other indication of a mixture/contamination. The sample was reamplified and the 15 allele was still present, however only above analytical threshold in one injection. Since item 1 is a reference sample the minor type appears to be a genetic anomaly. This 15 allele at CSF was also observed, below analytical threshold, in items 3 and 4 EC. |
| UNFHAA | The Laboratory does not routinely test for saliva in sexual assault case. |
| UY2BB7 | For item 3, DNA profile was considered single source, although an additional minor peak (15) at CSF1PO was observed. This minor peak was assessed as a possible (n+1; forward stutter), as this assessment falls within our guidelines. |
| UYE22C | n/t = not tested. |
| VKB7AM | Additional peak detected at 15 position of CSF1PO in samples that victim is included in (Item 1, 3, and 4 ep). Due to low relative peak height and possibility of elevated +4 stutter, it is not being called an allele. |
| VP7QAD | NT = Not tested. For Item 3, apparent single source sample with 3 alleles detected at CSF1PO (10,14,15). Possible genetic anomaly. Result was reproducible with a second amplification and capillary electrophoresis run. |
| VQFTZH | *: Inconclusive for the presence of additional allele(s). |
| VX2YKV | Concordant results were generated with Identifiler Plus and Minifiler with the exception of items #3, #4e and #1. The 15 allele at CSF1PO was not detected above the calling threshold for items #3, #4e and #1 with the Minifiler results. The interpretation remains the same for the Identifiler Plus and Minifiler results. [From Table 1 - Serology Screening Results, Item 3: "**AP test inconclusive due to reddish-brown color of stain."] |

| WebCode | Additional Comments |
|---------|--|
| VXZ3D7 | Item 4e was amplified twice during the completion of this test to attempt confirmation of a tri-allelic pattern at CSF1PO. In the first amplification, there appeared to be potential drop out of an allele identified as part of that pattern at CSF1PO (alleles called included 10,11,12,14). On re-amplification, the full profile was identified (10,11,12,14,15); however, the 15 allele at D3S1358 dropped out. The results of the initial amplification of this sample are reported in this data sheet to avoid combination of DNA results; however, the profile identified for CSF1PO was in fact 10,11,12,14,15. |
| W2CEJL | Female reference standards are not routinely processed with Y-filer in the [City] Police Department Office of Forensic Science DNA Laboratory; therefore, Item 1 was not processed with Y-STRs. The abbreviation INC was used for Item 1, 3 and 4E, INC is an abbreviation for inconclusive results. The abbreviation NR was used for item 3. NR is an abbreviation for no results. |
| W382XB | I observed a 15 peak at CSF1PO in Item 1 and Item 3 that is in the N+4 position. It is above my laboratory's elevated stutter threshold. |
| XMUTT2 | 1. Item 1 and 2 were extracted using the in-situ extraction method. 2. Item 3 were extracted using the Promega DNA IQ on Tecan Freedom EVO 150. 3. Item 4 were extracted using the Chelex extraction method. 4. Item 3 and 4 were quantitated using Quantifiler Human DNA Quantitation Kit and carried out by 7500 Real Time PCR. 5. Amplification was done using the AmpFISTR Identifier Direct kit for Item 1 and 2, AmpFISTR Identifier Plus kit for Item 3 and 4, and AmpFISTR Y-Filer on Item 1 to 4. 6. Electrophoresis was carried out by Genetic Analyzer 3500XL and Genetic[sic] Analyzer 3130XL. 7. Reagent Blank, Positive Control and Negative Control were carried out along with the analysis. |
| XN6P3C | It appears that there is a possible 10 allele at TH01 for Item 4, but the peak could not be resolved enough for the software to assign an allele call to the peak. An elevated possible N+4 stutter peak (15) was detected in Item 1 at CSF1PO. This peak was reproducible in all samples matching this profile, but were able to be filtered out as stutter artifact based upon validated stutter values. |
| XRMU72 | For item 3 at locus CSF1PO, 15 allele detected at approx 6% peak height of allele 14. This peak was ruled out as an artifact based on height and morphology. Given its size, location, and the absence of any other minor peak, this allele could either be the result of a second contributor, or attributed to a genetic anomaly of a single contributor. Further, while a 15 allele was not observed above analytical threshold (and consequently not 'called') at CSF1PO for item 1, analysis of data below threshold revealed evidence of possible 15 allele at approx 3% peak height. This supports attribution due to a genetic anomaly. |
| Y72JJU | Due to ongoing problems associated w/ CTS samples, swabs were utilized to collect portions of stains for further testing and analysis. |
| YDLHA3 | Note: 15 allele noted at CSF1PO in Q03-1 (~4.3% in relation to 14 allele) and Q04-1E (~7.2% in relation to 14 allele). Possible n+1 artefact or indication of triallelic pattern (peak observed adjacent to 14 allele @CSF1PO in comparison sample from victim). |
| YLRHA4 | Victim (item #1) repeatedly showed allelic activity at CSF in the 10, 14, and 15 positions. The 10 and 14 alleles show heterozygosity while the 15 allele is located in the reverse stutter position of 14 but is above analytical threshold and is almost as high as the stutter peak. Therefore, with no other indication of a second contributor, it is consistent with being a tri-allele pattern. |
| Z2KPR2 | For Items 3, 4EC, and 1, a third allele was detected at CSF1PO. This 15 allele is in the N+4 stutter position for the 14 allele. This 15 allele has been shown to be reproducible yet not always above the N+4 stutter threshold. This low-level peak could be due to a tri-allelic pattern or elevated N+4 stutter. [From Table 1 - Serology Screening Results: "ARD = Amylase Radial Diffusion"; From Table 2 - Amplification Kit(s) and STR Results, Items 1 and 3: "NR = No Result"] |
| ZADMU4 | An additional 15 allele was detected at CSF in three samples: 1.1, 1.3, and 1.4 epithelial fraction. Initially allele 15 in the two unknown samples, 1.3 and 1.4, were called reverse stutter, as their stutter percentages were below the suggested percentage threshold. After the known sample, 1.1, was profiled and allele 15 at CSF was also present, the two unknown samples were reevaluated. Based on the repetition of the 15 allele, it is thought CSF could contain a tri-allelic pattern. Due to this, allele 15 at CSF is included in the DNA results for items 1.1, 1.3 and 1.4 epithelial fraction. |

| WebCode | Additional Comments |
|---------|--|
| ZGHKEU | Laboratory procedure allows for analyst's discretion to perform additional screening tests. For example, sample -3 the screening analyst elected to perform a microscopic and PSA test. Items -1, -3 and -4EP all showed an inconclusive allele at the 15 allele bin for CSF1PO. In each sample the height of the alleles is slightly high for N+4 stutter. There is a chance that the victim in this case is tri-allelic at this locus since it is showing up in samples in which the victim is a source or included as a donor. The call for this allele is determined to be inconclusive. |
| ZGYLGW | There is a possible elevated n+4 or tri-allele (allele 15) at CSF for item 1 (victim reference) and items 3 and 4 in which item 1 is included. This peak is above our interpretation threshold in items 1 and 3 and below in item 4. |
| ZGZJNK | A 15 allele was detected at locus CSF1PO in the epithelial fraction of Item 4 (4e). I believe this 15 allele is attributable to elevated n+4 stutter at this locus and not due to an additional contributor. Therefore, I did not include it in the allele table for the sample. |

Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

Test No. 15-573: Forensic Biology

DATA MUST BE RECEIVED BY June 15, 2015 TO BE INCLUDED IN THE REPORT

Participant Code:

WebCode:

Accreditation Release Statement

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

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

Scenario:

Police are investigating a murder and suspected sexual assault case in which the female victim was found deceased along a local nature trail. A week after the victim was identified, a male suspect was apprehended while attempting to use the victim's credit card. The suspect claims to have found the credit card within a discarded purse in a picnic area adjacent to the crime scene but claims to have no knowledge of the victim or circumstances surrounding her death. Police are submitting for analysis a cutting from torn fabric found at the crime scene as well as a cutting of the victim's shorts, both containing unknown stains.

Items Submitted (Sample Pack B3):

- Item 1: Known blood from female victim
- Item 2: Known blood from male suspect
- Item 3: Questioned stain from torn fabric found at the crime scene (grey dots)
- Item 4: Questioned stain from victim's shorts (tan floral pattern)

Online Data Entry

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

Please return all pages of this data sheet.

Page 1 of 9

Part I: SCREENING TESTS

Note: Laboratories submitting their results for ASCLD/LAB or NATA accreditation MUST identify any screening tests performed and report the test results.

Indicate the results of any screening tests performed on the questioned stains (Items 3 & 4).

Please use the abbreviations listed in this response key to fill in the Screening Test tables on this page. This is not an all inclusive list of tests, and should not be used to determine what tests should be performed. TESTS NOT ON THIS LIST MAY BE USED FOR SCREENING.

| Test | Abbreviation | Test | Abbreviation |
|------------------------|--------------|---------------------------------------|--------------|
| Acid Phosphatase | AP | Ortho-tolidine | O-tol |
| Alternate Light Source | ALS | Phenolphthalein-Tetramethyl benzidine | PTMB |
| Kastle Meyer | KM | Prostate Specific Antigen | PSA |
| Leucomalachite Green | LMG | Tetramethyl benzidine | TMB |
| Microscopic | Micro | | |

Example

Please indicate the Test(s) Performed on the corresponding line for each type of screening.

| Item | Positive | Negative | Inconclusive | Not Tested | Test(s) Performed |
|-----------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------|
| Blood | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | KM, O-tol, PTMB |
| Semen | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | PSA |
| Saliva | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Other (specify) _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

| | Positive | Negative | Inconclusive | Not Tested | Test(s) Performed |
|-----------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------|
| Item 3 | | | | | |
| Blood | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Semen | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Saliva | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Other (specify) _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____ |

| | Positive | Negative | Inconclusive | Not Tested | Test(s) Performed |
|-----------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------|
| Item 4 | | | | | |
| Blood | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Semen | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Saliva | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____ |
| Other (specify) _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____ |

Part II: DNA ANALYSIS

DNA Analysis Instructions:

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

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

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

Additional DNA Results

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

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

Please return all pages of this data sheet.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Please return all pages of this data sheet.

Part III: DNA INTERPRETATION

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

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

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

Part IV: ADDITIONAL COMMENTS

Comments regarding any part of this Forensic Biology Test.

Written conclusions (including statistical information) for DNA analysis are not required. Any interpretations based on the results obtained should be indicated above.

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

Return Instructions: Data must be received via online data entry, fax (please include a cover sheet), or mail by *June 15, 2015* to be included in the report.

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

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

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RELEASE OF DATA TO ACCREDITATION BODIES

The following Accreditation Releases will apply only to:

Participant Code:

WebCode:

for Test No. **15-573: Forensic Biology**

This release page must be completed and received by **June 15, 2015** to have this participant's submitted data included in the reports forwarded to the respective Accreditation Bodies.

ASCLD/LAB RELEASE

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

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

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

Signature _____ Date _____

Laboratory Name _____

Location (City/State) _____

ANAB RELEASE

If your laboratory maintains its accreditation through ANAB, please complete the following form in its entirety to have your results forwarded.

ANAB Certificate No. _____

Signature and Title _____ Date _____

Laboratory Name _____

Location (City/State) _____

Accreditation Release

Return Instructions

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

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

Please return all pages of this data sheet.

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