



DNA - Semen Test No. 14-582 Summary Report

This proficiency test was sent to 209 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 171 participants (82% 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, light green material (Item 3) and one on clean, blue patterned material (Item 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains in Items 1, 2 and 3 were prepared from human whole blood which was either drawn into citric acid preservative bloodbank bags or EDTA tubes. 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. Item 1 ($75\ \mu\text{l}$) was blood collected from a female donor and Items 2 ($75\ \mu\text{l}$) and 3 ($50\ \mu\text{l}$) were blood collected from one male donor. Item 4 ($50\ \mu\text{l}$) was a mixture containing the blood from the Item 1 female donor and semen from a donor whose known blood standard was not provided to participants. 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 March 5, 2014 following receipt of predistribution results.

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

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

Amelogenin and STR Results

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

| Item | <u>D1S1656*</u> | <u>D2S1338</u> | <u>D2S441*</u> | <u>D3S1358</u> | <u>D5S818</u> | <u>D7S820</u> |
|-------------|------------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|
| 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| 4-Blood | | 17,17 | | 15,15 | 11,13 | 9,11 |
| 4-Semen | | 17,23 | | 17,18 | 10,11 | 9,10 |

| Item | <u>D8S1179</u> | <u>D10S1248*</u> | <u>D12S391*</u> | <u>D13S317</u> | <u>D16S539</u> | <u>D18S51</u> |
|-------------|-----------------------|-------------------------|------------------------|-----------------------|-----------------------|----------------------|
| 1 | 14,16 | | | 11,11 | 12,14 | 13,22 |
| 2 | 14,15 | | | 13,13 | 12,13 | 15,19 |
| 3 | 14,15 | | | 13,13 | 12,13 | 15,19 |
| 4-Blood | 14,16 | | | 11,11 | 12,14 | 13,22 |
| 4-Semen | 11,12 | | | 11,14 | 10,12 | 11,19 |

| Item | <u>D19S433</u> | <u>D21S11</u> | <u>D22S1045*</u> | <u>Amelogenin</u> | <u>CSF1PO</u> | <u>FGA</u> |
|-------------|-----------------------|----------------------|-------------------------|--------------------------|----------------------|-------------------|
| 1 | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| 2 | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| 3 | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| 4-Blood | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| 4-Semen | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |

| Item | <u>Penta D</u> | <u>Penta E</u> | <u>SE33*</u> | <u>TH01</u> | <u>TPOX</u> | <u>vWA</u> |
|-------------|-----------------------|-----------------------|---------------------|--------------------|--------------------|-------------------|
| 1 | 13,13 | 7,12 | | 9.3,10 | 8,10 | 17,18 |
| 2 | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| 3 | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| 4-Blood | 13,13 | 7,12 | | 9.3,10 | 8,10 | 17,18 |
| 4-Semen | 12,13 | 5,18 | | 7,9 | 11,11 | 16,18 |

YSTR Results

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

| Item | <u>DYS19</u> | <u>DYS385</u> | <u>DYS389-I</u> | <u>DYS389-II</u> | <u>DYS390</u> | <u>DYS391</u> | <u>DYS392</u> | <u>DYS393</u> |
|-------------|---------------------|----------------------|------------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|
| 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| 4-Semen | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |

| Item | <u>DYS437</u> | <u>DYS438</u> | <u>DYS439</u> | <u>DYS448</u> | <u>DYS456</u> | <u>DYS458</u> | <u>DYS481</u> | <u>DYS533</u> |
|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 2 | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| 3 | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| 4-Semen | 16 | 10 | 11 | 20 | 14 | 16 | 27 | 11 |

| Item | <u>DYS549</u> | <u>DYS570</u> | <u>DYS576</u> | <u>DYS635</u> | <u>DYS643</u> | <u>Y GATA H4</u> | <u>Y Indel*</u> |
|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------------------|------------------------|
| 2 | 11 | 21 | 15 | 21 | 15 | 12 | |
| 3 | 11 | 21 | 15 | 21 | 15 | 12 | |
| 4-Semen | 13 | 21 | 17 | 21 | 11 | 12 | |

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

Release Date of Manufacturer's Information: 27-May-2014

Summary Comments

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

Of the 171 responding, 149 participants reported DNA interpretations. All of these participants excluded the victim (Item 1) and included the suspect (Item 2) as a possible contributor to the Item 3 stain. Additionally, all participants that reported interpretations included the victim (Item 1) and excluded the suspect (Item 2) as a possible contributor to the Item 4 mixture.

Eight participants reported allelic results that were inconsistent with the consensus/predistribution results. Seven reported additional alleles at a locus and one was missing an allele at a locus.

Amplification Kit(s) & STR Results

TABLE 1

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

Item 1

| | | | | | | | |
|--------|---|----------------------------|---------|--------|--------------------------|-------|-------|
| 2BKGU3 | | | | | <i>PowerPlex® 16</i> | | |
| | 1 | | | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | 13,13 | 7,12 | | 9,3,10 | 8,10 | 17,18 |
| 2CYWCB | | <i>Identifiler®</i> | | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| 2E6GZB | | <i>Identifiler® Plus</i> | | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| 2KA6RQ | | <i>Identifiler®</i> | | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| 2MHHBD | | <i>Identifiler® Direct</i> | | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| 2QXQWR | | | | | <i>PowerPlex® Fusion</i> | | |
| | 1 | 12,15.3 | 17 | 11, 15 | 15 | 11,13 | 9,11 |
| | | 14,16 | 13, 16 | 17,21 | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | 16 | X | 11,12 | 25 |
| | | 13 | 7,12 | | 9,3,10 | 8,10 | 17,18 |
| 2R76YR | | <i>Identifiler®</i> | | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| 2YQBUD | | | | | <i>PowerPlex® 16, HS</i> | | |
| | 1 | | | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | 13,13 | 7,12 | | 9,3,10 | 8,10 | 17,18 |
| 32ZLG9 | | <i>Identifiler® Plus</i> | | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |

TABLE 1

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

Item 1

| | | | | | | | |
|--------|---|-------|----------------------------|----------------------|--------|-------------------------|-------|
| 338KT3 | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| 38FBPG | | | <i>Identifiler®</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| 3DMM63 | | | | <i>PowerPlex® HS</i> | | | |
| | 1 | | | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | 13,13 | 7,12 | | 9.3,10 | 8,10 | 17,18 |
| 3RRRKV | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| 49B6BR | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| 4A6Q74 | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| 4DJJT3 | | | <i>Identifiler®</i> | | | <i>Identifiler Plus</i> | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| 4J96QG | | | <i>Identifiler® Direct</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| 4LXJ9Z | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |

TABLE 1

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

Item 1

| | | | | | | | |
|--------|---|-------|--|----|--------|------------------------------------|-------|
| 4Y9RDD | | | <i>Identifiler®</i> | | | <i>Identifiler Direct</i> | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| 6GXCJV | | | <i>Identifiler®</i> | | | <i>Identifiler Plus, Minifiler</i> | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| 6QBAH2 | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| 6TEEM9 | | | <i>Identifiler® Identifiler Direct</i> | | | | |
| | 1 | - | 17 | - | 15 | 11,13 | 9,11 |
| | | 14,16 | - | - | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | - | X,X | 11,12 | 25 |
| | | - | - | - | 9,3,10 | 8,10 | 17,18 |
| 6YFNX8 | | | <i>Identifiler® Direct</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| 77G3E3 | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | NA | 17,17 | NA | 15,15 | 11,13 | 9,11 |
| | | 14,16 | NA | NA | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | NA | X,X | 11,12 | 25,25 |
| | | NA | NA | NA | 9,3,10 | 8,10 | 17,18 |
| 7XGPAT | | | <i>Identifiler®</i> | | | <i>Identifiler Plus, Minifiler</i> | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| 7XL32V | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| 7XQGEW | | | <i>COfiler® and Profiler Plus®</i> | | | | |
| | 1 | | | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | | 13,22 |
| | | | 30,31.2 | | X,X | | 25,25 |
| | | | | | | | 17,18 |

TABLE 1

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

Item 1

| | | | | | | | |
|--------|---|-------|--------------------------|---|-------------------------|------------------|-------|
| 7YGMPV | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| 8LLZRY | | | <i>Identifiler®</i> | | <i>PowerPlex® 16 HS</i> | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | 13,13 | 7,12 | | 9.3,10 | 8,10 | 17,18 |
| 8MZF7Z | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| 8NDWHD | | | <i>Identifiler®</i> | | | | |
| | 1 | / | 17 | / | 15 | 11,13 | 9,11 |
| | | 14,16 | / | / | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | / | X,X | 11,12 | 25 |
| | | / | / | / | 9.3,10 | 8,10 | 17,18 |
| 8Y4CZG | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| 8YWGT3 | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| 92D7LD | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| 93U3DD | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| 98EDVM | | | <i>Identifiler®</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |

TABLE 1

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

Item 1

| | | | | | | | |
|--------|---|-------|--|----|----------------------|------------------------------------|-------|
| 9JVA4Y | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | NA | 17,17 | NA | 15,15 | 11,13 | 9,11 |
| | | 14,16 | NA | NA | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | NA | X,X | 11,12 | 25,25 |
| | | NA | NA | NA | 9,3,10 | 8,10 | 17,18 |
| A4DHZQ | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| A4WNVX | | | | | <i>PowerPlex® 16</i> | | |
| | 1 | | | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | 13,13 | 7,12 | | 9,3,10 | 8,10 | 17,18 |
| A7J4NQ | | | <i>Identifiler® Direct</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| A7NH2Q | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| A9BZF7 | | | <i>Identifiler® Identifiler Direct</i> | | | | |
| | 1 | - | 17 | - | 15 | 11,13 | 9,11 |
| | | 14,16 | - | - | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | - | X,X | 11,12 | 25 |
| | | - | - | - | 9,3,10 | 8,10 | 17,18 |
| AK6EGM | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| BA2JZ4 | | | <i>Identifiler®</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| BC7HLW | | | <i>Identifiler®</i> | | | <i>Identifiler Plus, Minifiler</i> | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |

TABLE 1

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

Item 1

| | | | | | | | |
|--------|---|---------|------------------------------------|-------|-------------------------|------------------------|-------|
| BKHAHL | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| BLQQ96 | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| BNKBFX | | | <i>COfiler® and Profiler Plus®</i> | | | | |
| | 1 | | | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| BRHP69 | | | | | <i>PowerPlex® 16 HS</i> | | |
| | 1 | | | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X | 11,12 | 25 |
| | | 13 | 7,12 | | 9,3,10 | 8,10 | 17,18 |
| BTE86N | | | <i>Identifiler® Direct</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| BVZ73J | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| C6Y78B | | | | | | <i>GlobalFiler Kit</i> | |
| | 1 | 12,15.3 | 17,17 | 11,15 | 15,15 | 11,13 | 9,11 |
| | | 14,16 | 13,16 | 17,21 | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | 16,16 | X,X | 11,12 | 25,25 |
| | | | | 15,15 | 9,3,10 | 8,10 | 17,18 |
| CECB7M | | | <i>Identifiler®</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| CGUBJG | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |

TABLE 1

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

Item 1

| | | | | | | | |
|--------|---|-------|----------------------------|-----|-------------------------------------|------------------|-------|
| CHAG2R | | | | | <i>PowerPlex® 16</i> | | |
| | 1 | | | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | 13,13 | 7,12 | | 9.3,10 | 8,10 | 17,18 |
| CM4DNX | | | | | <i>PowerPlex® Fusion Direct Amp</i> | | |
| | 1 | | | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| CNCQ4E | | | <i>Identifiler® Plus</i> | | <i>PowerPlex® 16 HS Direct</i> | | |
| | 1 | N/A | 17,17 | N/A | 15,15 | 11,13 | 9,11 |
| | | 14,16 | N/A | N/A | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | N/A | X,X | 11,12 | 25,25 |
| | | 13,13 | 7,12 | N/A | 9.3,10 | 8,10 | 17,18 |
| CQHBRE | | | <i>Identifiler®</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| D7TAHX | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| D7WRK3 | | | <i>Identifiler® Direct</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| DELKRT | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| DFKLZ6 | | | <i>Identifiler® Direct</i> | | | | |
| | 1 | N/A | 17,17 | N/A | 15,15 | 11,13 | 9,11 |
| | | 14,16 | N/A | N/A | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | N/A | X,X | 11,12 | 25,25 |
| | | N/A | N/A | N/A | 9.3,10 | 8,10 | 17,18 |
| DN9MRE | | | <i>Identifiler®</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |

TABLE 1

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

Item 1

| | | | | | | | |
|--------|---|------------------------------------|---------|---|---|-------|-------|
| DP37Y9 | | | | | <i>PowerPlex® HS</i> | | |
| | 1 | | | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X | 11,12 | 25 |
| | | 13 | 7,12 | | 9.3,10 | 8,10 | 17,18 |
| E4NY8F | | <i>COfiler® and Profiler Plus®</i> | | | | | |
| | 1 | | | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| E8Y4Q3 | | | | | <i>Identifiler® and Identifiler[sic] PLUS</i> | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| E9YU4C | | | | | <i>PowerPlex® HS</i> | | |
| | 1 | | | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X | 11,12 | 25 |
| | | 13 | 7,12 | | 9.3,10 | 8,10 | 17,18 |
| EHJAN7 | | | | | <i>PowerPlex® PP16 & PP16HS</i> | | |
| | 1 | | | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | 13,13 | 7,12 | | 9.3,10 | 8,10 | 17,18 |
| EQAT4Z | | | | | <i>Identifiler® Plus</i> | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| F4WHHW | | | | | <i>PowerPlex® HS</i> | | |
| | 1 | | | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X,X | 11,12 | 25 |
| | | 13 | 7,12 | | 9.3,10 | 8,10 | 17,18 |
| GBWCXA | | | | | <i>Identifiler® Plus</i> | | |
| | 1 | - | 17,17 | - | 15,15 | 11,13 | 9,11 |
| | | 14,16 | - | - | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | - | X,X | 11,12 | 25,25 |
| | | - | - | - | 9.3,10 | 8,10 | 17,18 |
| GJ7QRX | | | | | <i>Identifiler®</i> | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | 13,13 | 7,12 | | 9.3,10 | 8,10 | 17,18 |

TABLE 1

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

Item 1

| | | | | | | | |
|--------|---|--------------------------|---------|--|--------|-------|-------|
| GJQGRB | 1 | <i>Identifiler® Plus</i> | | | | | |
| | | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| GKZAZR | 1 | 14,16 | | | X,X | 11,12 | 25,25 |
| | | | 30,31.2 | | 9.3,10 | 8,10 | 17,18 |
| | | | | | 15 | 11,13 | 9,11 |
| GM3CLL | 1 | 14,16 | | | 11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| H3BQFP | 1 | <i>Identifiler®</i> | | | | | |
| | | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| H84RH4 | 1 | 14,16 | | | X,X | 11,12 | 25,25 |
| | | | 30,31.2 | | 9.3,10 | 8,10 | 17,18 |
| | | | | | | | |
| HJM6Z9 | 1 | <i>Identifiler®</i> | | | | | |
| | | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| HQJ638 | 1 | 14,16 | | | X | 11,12 | 25 |
| | | | 30,31.2 | | 9.3,10 | 8,10 | 17,18 |
| | | | | | | | |
| HZAQAQ | 1 | <i>Identifiler® Plus</i> | | | | | |
| | | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| J22VH4 | 1 | 14,16 | | | X,X | 11,12 | 25,25 |
| | | | 30,31.2 | | 9.3,10 | 8,10 | 17,18 |
| | | | | | | | |
| H84RH4 | 1 | <i>Identifiler®</i> | | | | | |
| | | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| HQAQAQ | 1 | 14,16 | | | X | 11,12 | 25 |
| | | | 30,31.2 | | 9.3,10 | 8,10 | 17,18 |
| | | | | | | | |
| J22VH4 | 1 | <i>PowerPlex® 16 HS</i> | | | | | |
| | | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| HQAQAQ | 1 | 14,16 | | | X | 11,12 | 25 |
| | | | 30,31.2 | | 9.3,10 | 8,10 | 17,18 |
| | | | | | | | |
| J22VH4 | 1 | <i>PowerPlex® 16 HS</i> | | | | | |
| | | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| HQAQAQ | 1 | 14,16 | | | X | 11,12 | 25 |
| | | | 30,31.2 | | 9.3,10 | 8,10 | 17,18 |
| | | | | | | | |
| J22VH4 | 1 | <i>PowerPlex® 16 HS</i> | | | | | |
| | | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| HQAQAQ | 1 | 14,16 | | | X | 11,12 | 25 |
| | | | 30,31.2 | | 9.3,10 | 8,10 | 17,18 |
| | | | | | | | |
| J22VH4 | 1 | <i>PowerPlex® 16 HS</i> | | | | | |
| | | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| HQAQAQ | 1 | 14,16 | | | X | 11,12 | 25 |
| | | | 30,31.2 | | 9.3,10 | 8,10 | 17,18 |
| | | | | | | | |
| J22VH4 | 1 | <i>PowerPlex® 16 HS</i> | | | | | |
| | | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| HQAQAQ | 1 | 14,16 | | | X | 11,12 | 25 |
| | | | 30,31.2 | | 9.3,10 | 8,10 | 17,18 |
| | | | | | | | |

TABLE 1

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

Item 1

| | | | | | | | |
|--------|---|---------|----------------------------|--------|--------------------------|-------|-------|
| J2FF78 | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| J86UVE | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| JHNCLZ | | | | | <i>PowerPlex® 16</i> | | |
| | 1 | | | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X | 11,12 | 25 |
| | | 13 | 7,12 | | 9.3,10 | 8,10 | 17,18 |
| JKUWAZ | | | | | <i>PowerPlex® HS</i> | | |
| | 1 | | | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X | 11,12 | 25 |
| | | 13 | 7,12 | | 9.3,10 | 8,10 | 17,18 |
| JNQKNM | | | | | <i>PowerPlex® 16</i> | | |
| | 1 | | | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | 13,13 | 7,12 | | 9.3,10 | 8,10 | 17,18 |
| JNU2AZ | | | <i>Identifiler® Direct</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| JUGXPB | | | | | <i>PowerPlex® Fusion</i> | | |
| | 1 | 12,15.3 | 17 | 11, 15 | 15 | 11,13 | 9,11 |
| | | 14,16 | 13, 16 | 17,21 | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | 16 | X | 11,12 | 25 |
| | | 13 | 7,12 | | 9.3,10 | 8,10 | 17,18 |
| K4GXLE | | | <i>Identifiler®</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| KABWZB | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |

TABLE 1

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

Item 1

| | | | | | | | |
|--------|---|---------|--------------------------|-------|----------------------|------------------|-------|
| KAPD3Q | | | | | <i>PowerPlex® 16</i> | | |
| | 1 | | | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | 13,13 | 7,12 | | 9.3,10 | 8,10 | 17,18 |
| KBFGWX | | | <i>Identifiler® Plus</i> | | | <i>MiniFiler</i> | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| KFU3TB | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| KKLELL | | | <i>Identifiler®</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| KLNU8Y | | | <i>Identifiler®</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| KMD9PH | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| KMHN3H | | | | | <i>PowerPlex® 21</i> | | |
| | 1 | 12,15.3 | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | 17,21 | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | 13,13 | 7,12 | | 9.3,10 | 8,10 | 17,18 |
| KN9TCG | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| LBZH9R | | | <i>Identifiler®</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |

TABLE 1

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

Item 1

| | | | | | | | | |
|--------|----|--------------------------|---------|--------|-------------------------|-------|---------|--|
| LDNXYM | 1 | <i>Identifiler® Plus</i> | | | | | | |
| | | | 17 | | 15 | 11,13 | 9,11 | |
| | | 14,16 | | | 11 | 12,14 | 13,22 | |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 | |
| | | | | 9,3,10 | 8,10 | 17,18 | | |
| LLVLK9 | 1 | <i>Identifiler® Plus</i> | | | | | | |
| | | | 17,17 | | 15,15 | 11,13 | 9,11 | |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 | |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 | |
| | | | | 9,3,10 | 8,10 | 17,18 | | |
| M79LMZ | 1 | <i>Identifiler® Plus</i> | | | | | | |
| | | | 17 | | 15 | 11,13 | 9,11 | |
| | | 14,16 | | | 11 | 12,14 | 13,22 | |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 | |
| | | | | 9,3,10 | 8,10 | 17,18 | | |
| MF6QZF | 1 | <i>Identifiler® Plus</i> | | | | | | |
| | | | 17 | | 15 | 11,13 | 9,11 | |
| | | 14,16 | | | 11 | 12,14 | 13,22 | |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 | |
| | | | | 9,3,10 | 8,10 | 17,18 | | |
| MGQZQ3 | 1 | <i>Identifiler®</i> | | | | | | |
| | | | 17,17 | | 15,15 | 11,13 | 9,11 | |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 | |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 | |
| | | | | 9,3,10 | 8,10 | 17,18 | | |
| MHWMRV | 1 | | | | <i>PowerPlex® 16 HS</i> | | | |
| | | | | | 15 | 11,13 | 9,11 | |
| | | 14,16 | | | 11 | 12,14 | 13,22 | |
| | | | 30,31.2 | | X | 11,12 | 25 | |
| | 13 | 7,12 | | 9,3,10 | 8,10 | 17,18 | | |
| MYMK23 | 1 | <i>Identifiler® Plus</i> | | | | | | |
| | | | 17,17 | | 15,15 | 11,13 | 9,11 | |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 | |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 | |
| | | | | 9,3,10 | 8,10 | 17,18 | | |
| MZT8B2 | 1 | <i>Identifiler® Plus</i> | | | | | | |
| | | | 17,17 | | 15,15 | 11,13 | 9,11 | |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 | |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 | |
| | | | | 9,3,10 | 8,10 | 17,18 | | |
| N23JJP | 1 | <i>Identifiler® Plus</i> | | | | | | |
| | | | 17,17 | | 15,15 | 11,13 | 9,11 | |
| | | 14,16 | | | 11,11 | 12,14 | 13,[22] | |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 | |
| | | | | 9,3,10 | 8,10 | 17,18 | | |

TABLE 1

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

Item 1

| | | | | | | | |
|---------|---|--|--|--|---------------------------------|---------------------------------|---------------------------------|
| N9KTA8 | | | | | <i>PowerPlex® Fusion</i> | | |
| | 1 | 12,15.3 14,16 14,16 13 | 17 13, 16 30,31.2 7,12 | 11, 15 17,21 16 | 15 11 X 9.3,10 | 11,13 12,14 11,12 8,10 | 9,11 13,22 25 17,18 |
| NDFNT7 | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | 14,16 14,16 | 17 30,31.2 | | 15 11 X 9.3,10 | 11,13 12,14 11,12 8,10 | 9,11 13,22 25 17,18 |
| NVAJ2N | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | 14,16 14,16 | 17,17 30,31.2 | | 15,15 11,11 X,X 9.3,10 | 11,13 12,14 11,12 8,10 | 9,11 13,22 25,25 17,18 |
| P87XTX | | | <i>Identifiler®</i> | | | | |
| | 1 | not tested 14,16 14,16 not tested | 17,17 not tested 30,31.2 not tested | not tested not tested not tested not tested | 15,15 11,11 X,X 9.3,10 | 11,13 12,14 11,12 8,10 | 9,11 13,22 25,25 17,18 |
| P9LV LX | | | <i>Identifiler®</i> | | | | |
| | 1 | 14,16 14,16 | 17,17 30,31.2 | | 15,15 11,11 X,X 9.3,10 | 11,13 12,14 11,12 8,10 | 9,11 13,22 25,25 17,18 |
| PCG3CK | | | | | <i>PowerPlex®</i> | <i>PowerPlex 16HS</i> | |
| | 1 | 14,16 13,13 | 30,31.2 7,12 | | 15,15 11,11 X,X 9.3,10 | 11,13 12,14 11,12 8,10 | 9,11 13,22 25,25 17,18 |
| PFWBY Y | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | 14,16 14,16 | 17 30,31.2 | | 15 11 X,X 9.3,10 | 11,13 12,14 11,12 8,10 | 9,11 13,22 25 17,18 |
| PMD4UV | | | <i>Identifiler® Plus</i> | | <i>PowerPlex® Fusion</i> | | |
| | 1 | 12,15.3 14,16 14,16 13,13 | 17,17 13,16 30,31.2 7,12 | 11,15 17,21 16,16 | 15,15 11,11 X,X 9.3,10 | 11,13 12,14 11,12 8,10 | 9,11 13,22 25,25 17,18 |
| Q2D3LY | | | | | <i>PowerPlex® 16 HS</i> | | |
| | 1 | 14,16 13 | 30,31.2 7,12 | | 15 11 X 9.3,10 | 11,13 12,14 11,12 8,10 | 9,11 13,22 25 17,18 |

TABLE 1

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

Item 1

| | | | | | | | |
|--------|---|---------|----------------------------|-------|---------------------------|-------|-------|
| Q78XKK | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| Q7P4LW | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| QAE9NF | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| QBMHDR | | | <i>Identifiler® Direct</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| QCVHN2 | | | | | <i>PowerPlex® ESI/ESX</i> | | |
| | 1 | 12,15.3 | 17,17 | 11,15 | 15,15 | | |
| | | 14,16 | 13,16 | 17,21 | | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | 16,16 | X,X | | 25,25 |
| | | | | | 9,3,10 | | 17,18 |
| QG8N7T | | | <i>Identifiler® Direct</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| QMGY3T | | | <i>Identifiler®</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| QT2WT2 | | | <i>Identifiler®</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| QYVUKD | | | <i>Identifiler®</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |

TABLE 1

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

Item 1

| | | | | | | | |
|--------|---|---------|----------------------------|-------|----------------------|-------|-------|
| QZHGR8 | | | <i>Identifiler® Direct</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| R9VNAW | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| RE2H4R | | | <i>Identifiler®</i> | | | | |
| | 1 | - | 17 | - | 15 | 11,13 | 9,11 |
| | | 14,16 | - | - | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | - | X | 11,12 | 25 |
| | | - | - | - | 9.3,10 | 8,10 | 17,18 |
| RMA8NH | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| RMNPEG | | | | | <i>PowerPlex® 16</i> | | |
| | 1 | | | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | 13,13 | 7,12 | | 9.3,10 | 8,10 | 17,18 |
| RPFL6W | | | | | <i>PowerPlex® 21</i> | | |
| | 1 | 12,15.3 | 17,17 | - | 15,15 | 11,13 | 9,11 |
| | | 14,16 | - | 17,21 | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | - | X,X | 11,12 | 25,25 |
| | | 13,13 | 7,12 | - | 9.3,10 | 8,10 | 17,18 |
| RV49VV | | | <i>Identifiler®</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| RVJLLD | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |
| T67Y24 | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9.3,10 | 8,10 | 17,18 |

TABLE 1

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

Item 1

| WebCode | Item | <i>Identifiler® Plus</i> | | <i>Minifiler</i> | | | |
|---------|------|--------------------------|---------|----------------------------|-------|-------|--|
| T6REEK | 1 | 17,17 | | 15,15 | 11,13 | 9,11 | |
| | | 14,16 | | 11,11 | 12,14 | 13,22 | |
| | | 14,16 | 30,31.2 | X,X | 11,12 | 25,25 | |
| | | | | 9.3,10 | 8,10 | 17,18 | |
| TFK328 | | | | <i>PowerPlex® 16</i> | | | |
| | 1 | | | 15,15 | 11,13 | 9,11 | |
| | | 14,16 | | 11,11 | 12,14 | 13,22 | |
| | | | 30,31.2 | X,X | 11,12 | 25,25 | |
| | | 13,13 | 7,12 | 9.3,10 | 8,10 | 17,18 | |
| TK32ZV | | | | <i>PowerPlex® 16HS</i> | | | |
| | 1 | | | 15 | 11,13 | 9,11 | |
| | | 14,16 | | 11 | 12,14 | 13,22 | |
| | | | 30,31.2 | X | 11,12 | 25 | |
| | | 13 | 7,12 | 9.3,10 | 8,10 | 17,18 | |
| TWUKJ8 | | | | <i>Identifiler® Plus</i> | | | |
| | 1 | | 17,17 | 15,15 | 11,13 | 9,11 | |
| | | 14,16 | | 11,11 | 12,14 | 13,22 | |
| | | 14,16 | 30,31.2 | X,X | 11,12 | 25,25 | |
| | | | | 9.3,10 | 8,10 | 17,18 | |
| U3RYD8 | | | | <i>Identifiler® Plus</i> | | | |
| | 1 | | 17 | 15 | 11,13 | 9,11 | |
| | | 14,16 | | 11 | 12,14 | 13,22 | |
| | | 14,16 | 30,31.2 | X | 11,12 | 25 | |
| | | | | 9.3,10 | 8,10 | 17,18 | |
| U4QYLK | | | | <i>Identifiler® Direct</i> | | | |
| | 1 | | 17 | 15 | 11,13 | 9,11 | |
| | | 14,16 | | 11 | 12,14 | 13,22 | |
| | | 14,16 | 30,31.2 | X | 11,12 | 25 | |
| | | | | 9.3,10 | 8,10 | 17,18 | |
| UCPKRL | | | | <i>Identifiler®</i> | | | |
| | 1 | | 17 | 15 | 11,13 | 9,11 | |
| | | 14,16 | | 11 | 12,14 | 13,22 | |
| | | 14,16 | 30,31.2 | X | 11,12 | 25 | |
| | | | | 9.3,10 | 8,10 | 17,18 | |
| UJ7V6M | | | | <i>Identifiler®</i> | | | |
| | 1 | | 17 | 15 | 11,13 | 9,11 | |
| | | 14,16 | | 11 | 12,14 | 13,22 | |
| | | 14,16 | 30,31.2 | X | 11,12 | 25 | |
| | | | | 9.3,10 | 8,10 | 17,18 | |
| UNGZPA | | | | <i>PowerPlex® 16</i> | | | |
| | 1 | | | 15,15 | 11,13 | 9,11 | |
| | | 14,16 | | 11,11 | 12,14 | 13,22 | |
| | | | 30,31.2 | X,X | 11,12 | 25,25 | |
| | | 13,13 | 7,12 | 9.3,10 | 8,10 | 17,18 | |

TABLE 1

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

Item 1

| | | | | | | | |
|--------|---|-------|----------------------------|----|----------------------|------------------|-------|
| UPBUGD | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| V44TWE | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | NA | 17,17 | NA | 15,15 | 11,13 | 9,11 |
| | | 14,16 | NA | NA | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | NA | X,X | 11,12 | 25,25 |
| | | NA | NA | NA | 9,3,10 | 8,10 | 17,18 |
| V8JHX3 | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| VBMCYT | | | <i>Identifiler® Direct</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| VQZMN2 | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| W9URK9 | | | | | <i>PowerPlex® 16</i> | | |
| | 1 | | | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | 13,13 | 7,12 | | 9,3,10 | 8,10 | 17,18 |
| WUEH7J | | | <i>Identifiler®</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| WVA3UJ | | | <i>Identifiler®</i> | | | <i>ID direct</i> | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| X732ZF | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |

TABLE 1

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

Item 1

| | | | | | | | |
|--------|---|-------|----------------------------|--|----------------------|------------------|-------|
| YJR6ZY | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| YWDJ2D | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| YWG24H | | | <i>Identifiler® Direct</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| YYJ6PD | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| Z7Y6JG | | | | | <i>PowerPlex® 16</i> | | |
| | 1 | | | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | | 30,31.2 | | X | 11,12 | 25 |
| | | 13 | 7,12 | | 9,3,10 | 8,10 | 17,18 |
| ZH63JA | | | <i>Identifiler®</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| ZLQXDU | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| ZPPELH | | | <i>Identifiler® Direct</i> | | | | |
| | 1 | | 17 | | 15 | 11,13 | 9,11 |
| | | 14,16 | | | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X | 11,12 | 25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |
| ZX62CD | | | <i>Identifiler® Plus</i> | | | | |
| | 1 | | 17,17 | | 15,15 | 11,13 | 9,11 |
| | | 14,16 | | | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | | X,X | 11,12 | 25,25 |
| | | | | | 9,3,10 | 8,10 | 17,18 |

TABLE 1

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

Item 2

| | | | | | | | |
|--------|---|-------|----------------------------|-------|--------------------------|-------|-------|
| 2BKGU3 | | | | | <i>PowerPlex® 16</i> | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| 2CYWCB | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| 2E6GZB | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| 2KA6RQ | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| 2MHHBD | | | <i>Identifiler® Direct</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| 2QXQWR | | | | | <i>PowerPlex® Fusion</i> | | |
| | 2 | 13,14 | 19,26 | 10,13 | 16,17 | 7,8 | 9,11 |
| | | 14,15 | 12,15 | 18,19 | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | 15,18 | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |
| 2R76YR | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| 2YQBUD | | | | | <i>PowerPlex® 16, HS</i> | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| 32ZLG9 | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |

TABLE 1

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

Item 2

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|--------|---|-------|----------------------------|----------------------|-------|-------------------------|-------|
| 338KT3 | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 38FBPG | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 3DMM63 | | | | <i>PowerPlex® HS</i> | | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| 3RRRKV | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 49B6BR | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 4A6Q74 | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| 4DJJT3 | | | <i>Identifiler®</i> | | | <i>Identifiler Plus</i> | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 4J96QG | | | <i>Identifiler® Direct</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 4LXJ9Z | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |

TABLE 1

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

Item 2

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|--------|---|-------|--|----|-------|---|-------|
| 4Y9RDD | | | <i>Identifiler®</i> | | | <i>Identifiler Direct</i> | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| 6GXCV | | | <i>Identifiler®</i> | | | <i>Identifiler Plus, Minifiler</i> | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 6QBAH2 | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| 6TEEM9 | | | <i>Identifiler® Identifiler Direct</i> | | | | |
| | 2 | - | 19,26 | - | 16,17 | 7,8 | 9,11 |
| | | 14,15 | - | - | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | - | X,Y | 10,12 | 25 |
| | | - | - | - | 7,8 | 8,11 | 16 |
| 6YFNX8 | | | <i>Identifiler® Direct</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| 77G3E3 | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | NA | 19,26 | NA | 16,17 | 7,8 | 9,11 |
| | | 14,15 | NA | NA | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | NA | X,Y | 10,12 | 25,25 |
| | | NA | NA | NA | 7,8 | 8,11 | 16,16 |
| 7XGPAT | | | <i>Identifiler®</i> | | | <i>Identifiler[sic] Plus, Minifiler</i> | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 7XL32V | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 7XQGEW | | | <i>COfiler® and Profiler Plus®</i> | | | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | | 15,19 |
| | | | 29,31 | | X,Y | | 25,25 |
| | | | | | | | 16,16 |

TABLE 1

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

Item 2

| | | | | | | | |
|--------|---|-------|--------------------------|---|-------------------------|------------------|-------|
| 7YGMPV | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| 8LLZRY | | | <i>Identifiler®</i> | | <i>PowerPlex® 16 HS</i> | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| 8MZF7Z | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 8NDWHD | | | <i>Identifiler®</i> | | | | |
| | 2 | / | 19,26 | / | 16,17 | 7,8 | 9,11 |
| | | 14,15 | / | / | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | / | X,Y | 10,12 | 25 |
| | | / | / | / | 7,8 | 8,11 | 16 |
| 8Y4CZG | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 8YWGT3 | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| 92D7LD | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 93U3DD | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 98EDVM | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |

TABLE 1

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

Item 2

| | | | | | | | |
|--------|---|-------|--|----|----------------------|------------------------------------|-------|
| 9JVA4Y | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | NA | 19,26 | NA | 16,17 | 7,8 | 9,11 |
| | | 14,15 | NA | NA | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | NA | X,Y | 10,12 | 25,25 |
| | | NA | NA | NA | 7,8 | 8,11 | 16,16 |
| A4DHZQ | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| A4WNVX | | | | | <i>PowerPlex® 16</i> | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| A7J4NQ | | | <i>Identifiler® Direct</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| A7NH2Q | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| A9BZF7 | | | <i>Identifiler® Identifiler Direct</i> | | | | |
| | 2 | - | 19,26 | - | 16,17 | 7,8 | 9,11 |
| | | 14,15 | - | - | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | - | X,Y | 10,12 | 25 |
| | | - | - | - | 7,8 | 8,11 | 16 |
| AK6EGM | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| BA2JZ4 | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| BC7HLW | | | <i>Identifiler®</i> | | | <i>Identifiler Plus, Minifiler</i> | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |

TABLE 1

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

Item 2

| | | | | | | | |
|--------|---|-------|------------------------------------|-------|-------------------------|--------------------|-------|
| BKHAHL | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| BLQQ96 | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| BNKBFX | | | <i>COfiler® and Profiler Plus®</i> | | | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| BRHP69 | | | | | <i>PowerPlex® 16 HS</i> | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |
| BTE86N | | | <i>Identifiler® Direct</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| BVZ73J | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| C6Y78B | | | | | | <i>GlobalFiler</i> | |
| | 2 | 13,14 | 19,26 | 10,13 | 16,17 | 7,8 | 9,11 |
| | | 14,15 | 12,15 | 18,19 | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | 15,18 | X,Y | 10,12 | 25,25 |
| | | | | 19,21 | 7,8 | 8,11 | 16,16 |
| CECB7M | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| CGUBJG | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |

TABLE 1

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

Item 2

| | | | | | | | |
|--------|---|-------|----------------------------|-----|-------------------------------------|------------------|-------|
| CHAG2R | | | | | <i>PowerPlex® 16</i> | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| CM4DNX | | | | | <i>PowerPlex® Fusion Direct Amp</i> | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| CNCQ4E | | | <i>Identifiler® Plus</i> | | <i>PowerPlex® 16 HS Direct</i> | | |
| | 2 | N/A | 19,26 | N/A | 16,17 | 7,8 | 9,11 |
| | | 14,15 | N/A | N/A | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | N/A | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | N/A | 7,8 | 8,11 | 16,16 |
| CQHBRE | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| D7TAHX | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| D7WRK3 | | | <i>Identifiler® Direct</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| DELKRT | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| DFKLZ6 | | | <i>Identifiler® Direct</i> | | | | |
| | 2 | N/A | 19,26 | N/A | 16,17 | 7,8 | 9,11 |
| | | 14,15 | N/A | N/A | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | N/A | X,Y | 10,12 | 25,25 |
| | | N/A | N/A | N/A | 7,8 | 8,11 | 16,16 |
| DN9MRE | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |

TABLE 1

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

Item 2

| | | | | | | | |
|--------|---|------------------------------------|-------|---|---|-------|-------|
| DP37Y9 | | | | | <i>PowerPlex® HS</i> | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |
| E4NY8F | | <i>COfiler® and Profiler Plus®</i> | | | | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| E8Y4Q3 | | | | | <i>Identifiler® and Identifiler[sic] PLUS</i> | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| E9YU4C | | | | | <i>PowerPlex® HS</i> | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |
| EHJAN7 | | | | | <i>PowerPlex® PP16 & PP16HS</i> | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| EQAT4Z | | | | | <i>Identifiler® Plus</i> | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| F4WHHW | | | | | <i>PowerPlex® HS</i> | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |
| GBWCXA | | | | | <i>Identifiler® Plus</i> | | |
| | 2 | - | 19,26 | - | 16,17 | 7,8 | 9,11 |
| | | 14,15 | - | - | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | - | X,Y | 10,12 | 25,25 |
| | | - | - | - | 7,8 | 8,11 | 16,16 |
| GJ7QRX | | | | | <i>PowerPlex® HS</i> | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |

TABLE 1

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

Item 2

| | | | | | | | |
|--------|---|-------|--------------------------|--|-------------------------|-------|-------|
| GJQGRB | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| GKZAZR | | | | | | | |
| | | | | | | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| GM3CLL | | | | | | | |
| | | | | | | | |
| | 2 | | | | <i>PowerPlex® 16HS</i> | | |
| | | 14,15 | | | 16,17 | 7,8 | 9,11 |
| | | | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| H3BQFP | | | | | | | |
| | | | | | | | |
| | 2 | | <i>Identifiler®</i> | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | 19,26 | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| H84RH4 | | | | | | | |
| | | | | | | | |
| | 2 | | 19,26 | | 16,17 | | |
| | | 14,15 | | | | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | | 25,25 |
| | | | | | 7,8 | | 16,16 |
| HJM6Z9 | | | | | | | |
| | | | | | | | |
| | 2 | | <i>Identifiler®</i> | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | 19,26 | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| HQJ638 | | | | | | | |
| | | | | | | | |
| | 2 | | <i>Identifiler® Plus</i> | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | 19,26 | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| HZAQAQ | | | | | | | |
| | | | | | | | |
| | 2 | | <i>Identifiler® Plus</i> | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | 19,26 | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| J22VH4 | | | | | | | |
| | | | | | | | |
| | 2 | | | | <i>PowerPlex® 16 HS</i> | | |
| | | 14,15 | | | 16,17 | 7,8 | 9,11 |
| | | | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |

TABLE 1

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

Item 2

| | | | | | | | |
|--------|---|-------|----------------------------|-------|--------------------------|-------|-------|
| J2FF78 | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| J86UVE | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| JHNCLZ | | | | | <i>PowerPlex® 16</i> | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |
| JKUWAZ | | | | | <i>PowerPlex® HS</i> | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |
| JNQKNM | | | | | <i>PowerPlex® 16</i> | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| JNU2AZ | | | <i>Identifiler® Direct</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| JUGXPB | | | | | <i>PowerPlex® Fusion</i> | | |
| | 2 | 13,14 | 19,26 | 10,13 | 16,17 | 7,8 | 9,11 |
| | | 14,15 | 12,15 | 18,19 | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | 15,18 | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |
| K4GXLE | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| KABWZB | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |

TABLE 1

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

Item 2

| | | | | | | | |
|--------|---|-------|--------------------------|-------|----------------------|------------------|-------|
| KAPD3Q | | | | | <i>PowerPlex® 16</i> | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| KBFGWX | | | <i>Identifiler® Plus</i> | | | <i>MiniFiler</i> | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| KFU3TB | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| KKLELL | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| KLNU8Y | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| KMD9PH | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| KMHN3H | | | | | <i>PowerPlex® 21</i> | | |
| | 2 | 13,14 | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | 18,19 | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| KN9TCG | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| LBZH9R | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |

TABLE 1

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

Item 2

| | | | | | | | |
|--------|---|-------|--------------------------|--|-------------------------|-------|-------|
| LDNXYM | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| LLVLK9 | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| M79LMZ | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| MF6QZF | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| MGQZQ3 | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| MHWMRV | | | | | <i>PowerPlex® 16 HS</i> | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |
| MYMK23 | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| MZT8B2 | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| N23JJP | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |

TABLE 1

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

Item 2

| | | | | | | | |
|---------|---|--|--|--|------------------------------|-------------------------------|---------------------------------|
| N9KTA8 | | | | | <i>PowerPlex® Fusion</i> | | |
| | 2 | 13,14 14,15 12,13 10,13 | 19,26 12,15 29,31 5,14 | 10,13 18,19 15,18 | 16,17 13 X,Y 7,8 | 7,8 12,13 10,12 8,11 | 9,11 15,19 25 16 |
| NDFNT7 | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | 14,15 12,13 | 19,26 29,31 | | 16,17 13 X,Y 7,8 | 7,8 12,13 10,12 8,11 | 9,11 15,19 25 16 |
| NVAJ2N | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | 14,15 12,13 | 19,26 29,31 | | 16,17 13,13 X,Y 7,8 | 7,8 12,13 10,12 8,11 | 9,11 15,19 25,25 16,16 |
| P87XTX | | | <i>Identifiler®</i> | | | | |
| | 2 | not tested 14,15 12,13 not tested | 19,26 not tested 29,31 not tested | not tested not tested not tested not tested | 16,17 13,13 X,Y 7,8 | 7,8 12,13 10,12 8,11 | 9,11 15,19 25,25 16,16 |
| P9LV LX | | | <i>Identifiler®</i> | | | | |
| | 2 | 14,15 12,13 | 19,26 29,31 | | 16,17 13,13 X,Y 7,8 | 7,8 12,13 10,12 8,11 | 9,11 15,19 25,25 16,16 |
| PCG3CK | | | | | <i>PowerPlex®</i> | <i>PowerPlex[sic] 16HS</i> | |
| | 2 | 14,15 10,13 | 29,31 5,14 | | 16,17 13,13 X,Y 7,8 | 7,8 12,13 10,12 8,11 | 9,11 15,19 25,25 16,16 |
| PFWBY Y | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | 14,15 12,13 | 19,26 29,31 | | 16,17 13 X,Y 7,8 | 7,8 12,13 10,12 8,11 | 9,11 15,19 25 16 |
| PMD4UV | | | <i>Identifiler® Plus</i> | | <i>PowerPlex® Fusion</i> | | |
| | 2 | 13,14 14,15 12,13 10,13 | 19,26 12,15 29,31 5,14 | 10,13 18,19 15,18 | 16,17 13,13 X,Y 7,8 | 7,8 12,13 10,12 8,11 | 9,11 15,19 25,25 16,16 |
| Q2D3LY | | | | | <i>PowerPlex® 16 HS</i> | | |
| | 2 | 14,15 10,13 | 29,31 5,14 | | 16,17 13 X,Y 7,8 | 7,8 12,13 10,12 8,11 | 9,11 15,19 25 16 |

TABLE 1

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

Item 2

| | | | | | | | |
|--------|---|-------|----------------------------|-------|---------------------------|-------|-------|
| Q78XKK | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| Q7P4LW | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| QAE9NF | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| QBMHDR | | | <i>Identifiler® Direct</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| QCVHN2 | | | | | <i>PowerPlex® ESX/ESI</i> | | |
| | 2 | 13,14 | 19,26 | 10,13 | 16,17 | | |
| | | 14,15 | 12,15 | 18,19 | | 12,13 | 15,19 |
| | | 12,13 | 29,31 | 15,18 | X,Y | | 25,25 |
| | | | | | 7,8 | | 16,16 |
| QG8N7T | | | <i>Identifiler® Direct</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| QMGY3T | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| QT2WT2 | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| QYVUKD | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |

TABLE 1

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

Item 2

| | | | | | | | |
|--------|---|-------|----------------------------|-------|----------------------|-------|-------|
| QZHGR8 | | | <i>Identifiler® Direct</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| R9VNAW | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| RE2H4R | | | <i>Identifiler®</i> | | | | |
| | 2 | - | 19,26 | - | 16,17 | 7,8 | 9,11 |
| | | 14,15 | - | - | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | - | X,Y | 10,12 | 25 |
| | | - | - | - | 7,8 | 8,11 | 16 |
| RMA8NH | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| RMNPEG | | | | | <i>PowerPlex® 16</i> | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| RPFL6W | | | | | <i>PowerPlex® 21</i> | | |
| | 2 | 13,14 | 19,26 | - | 16,17 | 7,8 | 9,11 |
| | | 14,15 | - | 18,19 | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | - | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | - | 7,8 | 8,11 | 16,16 |
| RV49VV | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| RVJLLD | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| T67Y24 | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |

TABLE 1

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

Item 2

| WebCode | Item | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | | |
|---------|------|--------------------------|-------|--|----------------------------|-------|-------|
| T6REEK | 2 | 19,26 | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| TFK328 | 2 | | | | <i>PowerPlex® 16</i> | | |
| | | 14,15 | | | 16,17 | 7,8 | 9,11 |
| | | | 29,31 | | 13,13 | 12,13 | 15,19 |
| | | 10,13 | 5,14 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| TK32ZV | 2 | | | | <i>PowerPlex® 16HS</i> | | |
| | | 14,15 | | | 16,17 | 7,8 | 9,11 |
| | | | 29,31 | | 13 | 12,13 | 15,19 |
| | | 10,13 | 5,14 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| TWUKJ8 | 2 | | | | <i>Identifiler® Plus</i> | | |
| | | 14,15 | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 12,13 | 29,31 | | 13,13 | 12,13 | 15,19 |
| | | | | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| U3RYD8 | 2 | | | | <i>Identifiler® Plus</i> | | |
| | | 14,15 | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 12,13 | 29,31 | | 13 | 12,13 | 15,19 |
| | | | | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| U4QYLK | 2 | | | | <i>Identifiler® Direct</i> | | |
| | | 14,15 | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 12,13 | 29,31 | | 13 | 12,13 | 15,19 |
| | | | | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| UCPKRL | 2 | | | | <i>Identifiler®</i> | | |
| | | 14,15 | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 12,13 | 29,31 | | 13 | 12,13 | 15,19 |
| | | | | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| UJ7V6M | 2 | | | | <i>Identifiler®</i> | | |
| | | 14,15 | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 12,13 | 29,31 | | 13 | 12,13 | 15,19 |
| | | | | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| UNGZPA | 2 | | | | <i>PowerPlex® 16</i> | | |
| | | 14,15 | | | 16,17 | 7,8 | 9,11 |
| | | | 29,31 | | 13,13 | 12,13 | 15,19 |
| | | 10,13 | 5,14 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |

TABLE 1

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

Item 2

| | | | | | | | |
|--------|---|-------|----------------------------|----|----------------------|------------------|-------|
| UPBUGD | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| V44TWE | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | NA | 19,26 | NA | 16,17 | 7,8 | 9,11 |
| | | 14,15 | NA | NA | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | NA | X,Y | 10,12 | 25,25 |
| | | NA | NA | NA | 7,8 | 8,11 | 16,16 |
| V8JHX3 | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| VBMCYT | | | <i>Identifiler® Direct</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| VQZMN2 | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| W9URK9 | | | | | <i>PowerPlex® 16</i> | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| WUEH7J | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| WVA3UJ | | | <i>Identifiler®</i> | | | <i>ID direct</i> | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| X732ZF | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |

TABLE 1

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

Item 2

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|--------|-------|------------------------------------|-------|--|-------|------------------|-------|
| XEEBWM | 2 | <i>COfiler® and Profiler Plus®</i> | | <i>Identifiler®</i> | | | |
| | | | | 19,26 | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | 7,8 | 8,11 | 16,16 | |
| XF78M3 | 2 | | | <i>Identifiler® Plus</i> | | | |
| | | | | 19,26 | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | 7,8 | 8,11 | 16,16 | |
| XFQBQT | 2 | | | <i>Identifiler®</i> | | | |
| | | | | 19,26 | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | 7,8 | 8,11 | 16,16 | |
| XFULZL | 2 | | | <i>Identifiler® Direct</i> | | | |
| | | | | 19,26 | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | 7,8 | 8,11 | 16 | |
| XG8VDT | 2 | | | <i>Identifiler® Plus</i> | | | |
| | | | | 19,26 | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | 7,8 | 8,11 | 16,16 | |
| XR423K | 2 | | | <i>PowerPlex® 16 HS</i> | | | |
| | | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | 10,13 | 5,14 | | 7,8 | 8,11 | 16 | |
| Y27JF9 | 2 | | | <i>Identifiler® Plus</i> | | <i>Minifiler</i> | |
| | | | | 19,26 | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | 7,8 | 8,11 | 16,16 | |
| Y4RAGD | 2 | | | <i>Identifiler® and Identifiler Plus</i> | | | |
| | | | | 19,26 | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | 7,8 | 8,11 | 16,16 | |
| Y8CEWM | 2 | | | <i>PowerPlex® 16 HS</i> | | | |
| | | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | 10,13 | 5,14 | | 7,8 | 8,11 | 16 | |

TABLE 1

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

Item 2

| | | | | | | | |
|--------|---|-------|----------------------------|----------------------|-------|------------------|-------|
| YJR6ZY | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| YWDJ2D | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| YWG24H | | | <i>Identifiler® Direct</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| YYJ6PD | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| Z7Y6JG | | | | <i>PowerPlex® 16</i> | | | |
| | 2 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |
| ZH63JA | | | <i>Identifiler®</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| ZLQXDU | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| ZPPELH | | | <i>Identifiler® Direct</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| ZX62CD | | | <i>Identifiler® Plus</i> | | | | |
| | 2 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |

TABLE 1

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

Item 3

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|--------|---|-------|--------------------------|-------|--------------------------|-------|-------|
| 2BKGU3 | | | | | <i>PowerPlex® 16</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| 2E6GZB | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| 2KA6RQ | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| 2MHHBD | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| 2QXQWR | | | | | <i>PowerPlex® Fusion</i> | | |
| | 3 | 13,14 | 19,26 | 10,13 | 16,17 | 7,8 | 9,11 |
| | | 14,15 | 12,15 | 18,19 | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | 15,18 | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |
| 2R76YR | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| 2YQBUD | | | | | <i>PowerPlex® 16, HS</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| 32ZLG9 | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| 338KT3 | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |

TABLE 1

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

Item 3

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|--------|---|-------|--------------------------|--|----------------------|-------------------------|-------|
| 38FBPG | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 3DMM63 | | | | | <i>PowerPlex® HS</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| 3RRRKV | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 49B6BR | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 4A6Q74 | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| 4DJJT3 | | | <i>Identifiler®</i> | | | <i>Identifiler Plus</i> | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 4J96QG | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 4LXJ9Z | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 6QBAH2 | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |

TABLE 1

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

Item 3

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|--------|---|------------------------------------|--------------------------------------|----|-------------------------|------------------------------------|-------|
| 6TEEM9 | | | <i>Identifiler® Identifiler Plus</i> | | | | |
| | 3 | - | 19,26 | - | 16,17 | 7,8 | 9,11 |
| | | 14,15 | - | - | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | - | X,Y | 10,12 | 25 |
| | | - | - | - | 7,8 | 8,11 | 16 |
| 77G3E3 | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | NA | 19,26 | NA | 16,17 | 7,8 | 9,11 |
| | | 14,15 | NA | NA | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | NA | X,Y | 10,12 | 25,25 |
| | | NA | NA | NA | 7,8 | 8,11 | 16,16 |
| 7XGPAT | | | <i>Identifiler®</i> | | | <i>Identifiler Plus, Minifiler</i> | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 7XL32V | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 7XQGEW | | <i>COfiler® and Profiler Plus®</i> | | | | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | | 15,19 |
| | | | 29,31 | | X,Y | | 25,25 |
| | | | | | | | 16,16 |
| 7YGMPV | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| 8LLZRY | | | <i>Identifiler®</i> | | <i>PowerPlex® 16 HS</i> | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| 8MZ7Z | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 8NDWHD | | | <i>Identifiler®</i> | | | | |
| | 3 | / | 19,26 | / | 16,17 | 7,8 | 9,11 |
| | | 14,15 | / | / | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | / | X,Y | 10,12 | 25 |
| | | / | / | / | 7,8 | 8,11 | 16 |

TABLE 1

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

Item 3

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|--------|---|-------|--------------------------|----|----------------------|-------|-------|
| 8Y4CZG | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 8YWGT3 | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| 92D7LD | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 93U3DD | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 98EDVM | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| 9JVA4Y | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | NA | 19,26 | NA | 16,17 | 7,8 | 9,11 |
| | | 14,15 | NA | NA | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | NA | X,Y | 10,12 | 25,25 |
| | | NA | NA | NA | 7,8 | 8,11 | 16,16 |
| A4DHZQ | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| A4WNVX | | | | | <i>PowerPlex® 16</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| A7J4NQ | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |

TABLE 1

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

Item 3

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|--------|---|-------|--------------------------------------|---|-------------------------|------------------------------------|-------|
| A7NH2Q | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| A9BZF7 | | | <i>Identifiler® Identifiler Plus</i> | | | | |
| | 3 | - | 19,26 | - | 16,17 | 7,8 | 9,11 |
| | | 14,15 | - | - | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | - | X,Y | 10,12 | 25 |
| | | - | - | - | 7,8 | 8,11 | 16 |
| AK6EGM | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| BC7HLW | | | <i>Identifiler®</i> | | | <i>Identifiler Plus, Minifiler</i> | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| BKHAHL | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| BLQQ96 | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| BNKBFX | | | <i>COfiler® and Profiler Plus®</i> | | | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| BRHP69 | | | | | <i>PowerPlex® 16 HS</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |
| BTE86N | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |

TABLE 1

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

Item 3

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|--------|---|-------|------------------------------------|-------|----------------------|--------------------|-------|
| BVZ73J | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| C6Y78B | | | | | | <i>GlobalFiler</i> | |
| | 3 | 13,14 | 19,26 | 10,13 | 16,17 | 7,8 | 9,11 |
| | | 14,15 | 12,15 | 18,19 | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | 15,18 | X,Y | 10,12 | 25,25 |
| | | | | 19,21 | 7,8 | 8,11 | 16,16 |
| CECB7M | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| CGUBJG | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| CHAG2R | | | | | <i>PowerPlex® 16</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| CM4DNX | | | <i>COfiler® and Profiler Plus®</i> | | | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| CQHBRE | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| D7TAHX | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| DELKRT | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |

TABLE 1

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

Item 3

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|--------|---|-------|---------------------|---|---|-------|-------|
| DN9MRE | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| DP37Y9 | | | | | <i>PowerPlex® HS</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |
| E4NY8F | | | | | <i>COfiler® and Profiler Plus®</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| E8Y4Q3 | | | | | <i>Identifiler® and Identifiler[sic] PLUS</i> | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| E9YU4C | | | | | <i>PowerPlex® HS</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |
| EHJAN7 | | | | | <i>PowerPlex® PP16 & PP16HS</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| EQAT4Z | | | | | <i>Identifiler® Plus</i> | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| F4WHHW | | | | | <i>COfiler® and Profiler Plus®</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| GBWCXA | | | | | <i>Identifiler® Plus</i> | | |
| | 3 | - | 19,26 | - | 16,17 | 7,8 | 9,11 |
| | | 14,15 | - | - | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | - | X,Y | 10,12 | 25,25 |
| | | - | - | - | 7,8 | 8,11 | 16,16 |

TABLE 1

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

Item 3

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|---------|---|------------------------------------|-------|------------------------|-------|-------|-------|
| GJ7QRX | 3 | <i>Identifiler®</i> | | <i>PowerPlex® HS</i> | | | |
| | | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| GJQGRB | 3 | <i>Identifiler® Plus</i> | | | | | |
| | | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | 7,8 | 8,11 | 16,16 | |
| GKZAZR | 3 | <i>COfiler® and Profiler Plus®</i> | | | | | |
| | | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | | | 7,8 | 8,11 | 16 | |
| GM3CLL | 3 | | | <i>PowerPlex® 16HS</i> | | | |
| | | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| H3BQFP | 3 | <i>Identifiler®</i> | | | | | |
| | | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | 7,8 | 8,11 | 16,16 | |
| H84RH4 | 3 | | | SGM+ | | | |
| | | | 19,26 | | 16,17 | | |
| | | 14,15 | | | | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | | 25,25 |
| | | | | 7,8 | | 16,16 | |
| HJM6Z9 | 3 | <i>Identifiler®</i> | | | | | |
| | | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | 7,8 | 8,11 | 16 | |
| HQJ638 | 3 | <i>Identifiler® Plus</i> | | | | | |
| | | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | 7,8 | 8,11 | 16,16 | |
| HZAAQAQ | 3 | <i>Identifiler® Plus</i> | | | | | |
| | | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | 7,8 | 8,11 | 16 | |

TABLE 1

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

Item 3

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|--------|---|-------|--------------------------|-------|--------------------------|-------|-------|
| J22VH4 | | | | | <i>PowerPlex® 16 HS</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |
| J2FF78 | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| J86UVE | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| JKUWAZ | | | | | <i>PowerPlex® HS</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |
| JNQKNM | | | | | <i>PowerPlex® 16</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| JNU2AZ | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| JUGXPB | | | | | <i>PowerPlex® Fusion</i> | | |
| | 3 | 13,14 | 19,26 | 10,13 | 16,17 | 7,8 | 9,11 |
| | | 14,15 | 12,15 | 18,19 | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | 15,18 | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |
| K4GXLE | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| KABWZB | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |

TABLE 1

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

Item 3

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|--------|---|-------|--------------------------|-------|----------------------|------------------|-------|
| KAPD3Q | | | | | <i>PowerPlex® 16</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| KBFGWX | | | <i>Identifiler® Plus</i> | | | <i>MiniFiler</i> | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| KFU3TB | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| KKLELL | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| KLNU8Y | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| KMD9PH | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| KMHN3H | | | | | <i>PowerPlex® 21</i> | | |
| | 3 | 13,14 | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | 18,19 | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| KN9TCG | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| LBZH9R | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |

TABLE 1

| WebCode | Item | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|---------|------|--|--|---------------------------------------|--|-------------------------------------|--------------------------------|
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Item 3

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|--------|---|-------|--------------------------|--|-------------------------|-------|-------|
| LDNXYM | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| LLVLK9 | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| M79LMZ | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| MF6QZF | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| MGQZQ3 | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| MHWMRV | | | | | <i>PowerPlex® 16 HS</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |
| MYMK23 | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| MZT8B2 | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| N23JJP | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |

TABLE 1

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

Item 3

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|--------|---|--|--|--|------------------------------|-------------------------------|---------------------------------|
| N9KTA8 | | | | | <i>PowerPlex® Fusion</i> | | |
| | 3 | 13,14 14,15 12,13 10,13 | 19,26 12,15 29,31 5,14 | 10,13 18,19 15,18 | 16,17 13 X,Y 7,8 | 7,8 12,13 10,12 8,11 | 9,11 15,19 25 16 |
| NDFNT7 | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | 14,15 12,13 | 19,26 29,31 | | 16,17 13 X,Y 7,8 | 7,8 12,13 10,12 8,11 | 9,11 15,19 25 16 |
| NVAJ2N | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | 14,15 12,13 | 19,26 29,31 | | 16,17 13,13 X,Y 7,8 | 7,8 12,13 10,12 8,11 | 9,11 15,19 25,25 16,16 |
| P87XTX | | | <i>Identifiler®</i> | | | | |
| | 3 | not tested 14,15 12,13 not tested | 19,26 not tested 29,31 not tested | not tested not tested not tested not tested | 16,17 13,13 X,Y 7,8 | 7,8 12,13 10,12 8,11 | 9,11 15,19 25,25 16,16 |
| PCG3CK | | | | | <i>PowerPlex®</i> | <i>PowerPlex 16HS</i> | |
| | 3 | 14,15 10,13 | 29,31 5,14 | | 16,17 13,13 X,Y 7,8 | 7,8 12,13 10,12 8,11 | 9,11 15,19 25,25 16,16 |
| PFWBY | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | 14,15 12,13 | 19,26 29,31 | | 16,17 13 X,Y 7,8 | 7,8 12,13 10,12 8,11 | 9,11 15,19 25 16 |
| PMD4UV | | | <i>Identifiler® Plus</i> | | <i>PowerPlex® Fusion</i> | | |
| | 3 | 13,14 14,15 12,13 10,13 | 19,26 12,15 29,31 5,14 | 10,13 18,19 15,18 | 16,17 13,13 X,Y 7,8 | 7,8 12,13 10,12 8,11 | 9,11 15,19 25,25 16,16 |
| Q2D3LY | | | | | <i>PowerPlex® 16 HS</i> | | |
| | 3 | 14,15 10,13 | 29,31 5,14 | | 16,17 13 X,Y 7,8 | 7,8 12,13 10,12 8,11 | 9,11 15,19 25 16 |
| Q78XKK | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | [13],14,15 12,13 | 19,26 29,31 | | 16,17 13 X,Y 7,8 | 7,8 12,13 10,12 8,11 | 9,11 15,19 25 16 |

TABLE 1

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

Item 3

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|--------|---|-------|--------------------------|-------|---------------------------|------------------|-------|
| Q7P4LW | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| QAE9NF | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| QBMHDR | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| QCVHN2 | | | | | <i>PowerPlex® ESI/ESX</i> | | |
| | 3 | 13,14 | 19,26 | 10,13 | 16,17 | | |
| | | 14,15 | 12,15 | 18,19 | | 12,13 | 15,19 |
| | | 12,13 | 29,31 | 15,18 | X,Y | | 25,25 |
| | | | | | 7,8 | | 16,16 |
| QMGY3T | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| QT2WT2 | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| QZHGR8 | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| R9VNAW | | | <i>Identifiler® Plus</i> | | | <i>MiniFiler</i> | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| RMA8NH | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |

TABLE 1

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

Item 3

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|--------|---|-------|--------------------------|-------|------------------------|------------------|-------|
| RMNPEG | | | | | <i>PowerPlex® 16</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| RPFL6W | | | | | <i>PowerPlex® 21</i> | | |
| | 3 | 13,14 | 19,26 | - | 16,17 | 7,8 | 9,11 |
| | | 14,15 | - | 18,19 | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | - | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | - | 7,8 | 8,11 | 16,16 |
| RV49VV | | | | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| RVJLLD | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| T67Y24 | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| T6REEK | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| TFK328 | | | | | <i>PowerPlex® 16</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| TK32ZV | | | | | <i>PowerPlex® 16HS</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16 |
| TWUKJ8 | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |

TABLE 1

| WebCode | Item | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|---------|------|--|--|---------------------------------------|--|-------------------------------------|--------------------------------|
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Item 3

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|--------|---|-------|--------------------------|----|----------------------|------------------|-------|
| U3RYD8 | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| UCPKRL | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| UJ7V6M | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| UNGZPA | | | | | <i>PowerPlex® 16</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |
| UPBUGD | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| V44TWE | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | NA | 19,26 | NA | 16,17 | 7,8 | 9,11 |
| | | 14,15 | NA | NA | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | NA | X,Y | 10,12 | 25,25 |
| | | NA | NA | NA | 7,8 | 8,11 | 16,16 |
| V8JHX3 | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| VQZMN2 | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| W9URK9 | | | | | <i>PowerPlex® 16</i> | | |
| | 3 | | | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | | 29,31 | | X,Y | 10,12 | 25,25 |
| | | 10,13 | 5,14 | | 7,8 | 8,11 | 16,16 |

TABLE 1

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

Item 3

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|--------|---|--|-------|-------------------------|-------|------------------|--|
| WUEH7J | 3 | <i>Identifiler®</i> | | | | | |
| | | 14,15 | 19,26 | 16,17 | 7,8 | 9,11 | |
| | | 12,13 | 29,31 | 13 | 12,13 | 15,19 | |
| X732ZF | 3 | <i>Identifiler® Plus</i> | | | | | |
| | | 14,15 | 19,26 | 16,17 | 7,8 | 9,11 | |
| | | 12,13 | 29,31 | 13 | 12,13 | 15,19 | |
| XEGBWM | 3 | <i>COfiler® and Profiler Plus®</i> | | <i>Identifiler®</i> | | | |
| | | 14,15 | 19,26 | 16,17 | 7,8 | 9,11 | |
| | | 12,13 | 29,31 | 13,13 | 12,13 | 15,19 | |
| XFCBQT | 3 | <i>Identifiler®</i> | | | | | |
| | | 14,15 | 19,26 | 16,17 | 7,8 | 9,11 | |
| | | 12,13 | 29,31 | 13,13 | 12,13 | 15,19 | |
| XG8VDT | 3 | <i>Identifiler® Plus</i> | | | | | |
| | | 14,15 | 19,26 | 16,17 | 7,8 | 9,11 | |
| | | 12,13 | 29,31 | 13,13 | 12,13 | 15,19 | |
| XR423K | 3 | | | <i>PowerPlex® 16 HS</i> | | | |
| | | 14,15 | 29,31 | 16,17 | 7,8 | 9,11 | |
| | | 10,13 | 5,14 | 13 | 12,13 | 15,19 | |
| Y27JF9 | 3 | <i>Identifiler® Plus</i> | | | | <i>Minifiler</i> | |
| | | 14,15 | 19,26 | 16,17 | 7,8 | 9,11 | |
| | | 12,13 | 29,31 | 13,13 | 12,13 | 15,19 | |
| Y4RAGD | 3 | <i>Identifiler® and Identifiler Plus</i> | | | | | |
| | | 14,15 | 19,26 | 16,17 | 7,8 | 9,11 | |
| | | 12,13 | 29,31 | 13,13 | 12,13 | 15,19 | |
| Y8CEWM | 3 | | | <i>PowerPlex® 16 HS</i> | | | |
| | | 14,15 | 29,31 | 16,17 | 7,8 | 9,11 | |
| | | 10,13 | 5,14 | 13 | 12,13 | 15,19 | |

TABLE 1

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

Item 3

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|--------|---|----------|--------------------------|--|-------|------------------|-------|
| YJR6ZY | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| YWDJ2D | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| YYJ6PD | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 13,14,15 | | | 13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25 |
| | | | | | 7,8 | 8,11 | 16 |
| ZH63JA | | | <i>Identifiler®</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| ZLQXDU | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |
| ZX62CD | | | <i>Identifiler® Plus</i> | | | | |
| | 3 | | 19,26 | | 16,17 | 7,8 | 9,11 |
| | | 14,15 | | | 13,13 | 12,13 | 15,19 |
| | | 12,13 | 29,31 | | X,Y | 10,12 | 25,25 |
| | | | | | 7,8 | 8,11 | 16,16 |

TABLE 1

| WebCode | Item | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|---------|------|--|--|---------------------------------------|--|-------------------------------------|--------------------------------|
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Item 4e

| | | | | | | | |
|--------|----|-----------------|-----------------------|----------|--------------------------|--------------|-----------------|
| 2BKGU3 | | | | | <i>PowerPlex® 16</i> | | |
| | 4e | 11,12,[14],16 | 30,31.2,32.2,33.2 | | 15,17,18 | 10,11,[13] | 9,[10],[11] |
| | | [12],13 | 5,[7],[12],18 | | 11,[14] | [10],12,[14] | 11,13,19,22 |
| | | | | | X,[Y] | 11,[12] | 21,24,25 |
| | | | | | 7,9,[9.3],[10] | [8],[10],11 | 16,[17],18 |
| 2E6GZB | | | | | <i>Identifiler® Plus</i> | | |
| | 4e | 11,12,14,16 | 30,31.2,32.2,33.2 | | 17,23 | 15,17,18 | 10,11,13 |
| | | 14,15,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| 2KA6RQ | | | | | <i>Identifiler®</i> | | |
| | 4e | [11],[12],14,16 | 30,31.2,[32.2],[33.2] | | 17,[23] | 15,[17],[18] | [10],11,13 |
| | | 14,[15],16 | | | 11,[14] | [10],12,14 | [11],13,[19],22 |
| | | | | | X,[Y] | 11,12 | [21],[24],25 |
| | | | | | [7],[9],9.3,10 | 8,10,11 | [16],17,18 |
| 2MHHBD | | | | | <i>Identifiler® Plus</i> | | |
| | 4e | 11,12,14,16 | 30,31.2,32.2,33.2 | | 17,23 | 15,17,18 | 10,11,13 |
| | | 14,15,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| 2QXQWR | | | | | <i>PowerPlex® Fusion</i> | | |
| | 4e | 12,15,15.3,17 | 17,23 | 10,11,15 | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | 13,14,16 | 17,21,22 | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | 11,16 | X,Y | 11,12 | 21,24,25 |
| | | 12,13 | 5,7,12,18 | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| 2R76YR | | | | | <i>Identifiler®</i> | | |
| | 4e | 11,12,14,16 | 30,31.2,32.2,33.2 | | 17,23 | 15,17,18 | 10,11,13 |
| | | 14,15,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| 2YQBUD | | | | | <i>PowerPlex® 16, HS</i> | | |
| | 4e | 11,12,14,16 | 30,31.2,32.2,33.2 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 12,13 | 5,7,12,18 | | 11,11 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| 32ZLG9 | | | | | <i>Identifiler® Plus</i> | | |
| | 4e | 11,12,14,16 | 30,31.2,32.2,33.2 | | 17,23 | 15,17,18 | 10,11,13 |
| | | 14,15,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| 338KT3 | | | | | <i>Identifiler® Plus</i> | | |
| | 4e | 11,12,14,16 | 30,31.2,32.2,33.2 | | 17,23 | 15,17,18 | 10,11,13 |
| | | 14,15,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |

TABLE 1

| WebCode | Item | D1S1656 D8S1179 D19S433 Penta D | D2S1338 D10S1248 D21S11 Penta E | D2S441 D12S391 D22S1045 SE33 | D3S1358 D13S317 Amelogenin TH01 | D5S818 D16S539 CSF1PO TPOX | D7S820 D18S51 FGA vWA |
|---------|------|--|--|---------------------------------------|--|-------------------------------------|--------------------------------|
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Item 4e

| | | | | | | | |
|--------|----|-------------------------|----------------------------------|--|--|--|--|
| 38FBPG | | | <i>Identifiler®</i> | | | | |
| | 4e | 11,12,14,16 14,15,16 | 17,[23] 30,31.2,[32.2],[33.2] | | 15,[17],[18] 11,[14] X,[Y] 7,9,9.3,10 | 10,11,13 [10],12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 [21],[24],25 [16],17,18 |
| 3DMM63 | | | | | <i>PowerPlex® HS</i> | | |
| | 4e | 11,12,14,16 12,13 | 30,31.2,32.2,33.2 5,7,12,18 | | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 |
| 3RRRKV | | | <i>Identifiler® Plus</i> | | | | |
| | 4e | 11,12,14,16 14,15,16 | 17,23 30,31.2,32.2,33.2 | | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 |
| 49B6BR | | | <i>Identifiler® Plus</i> | | | | |
| | 4e | 11,12,14,16 14,15,16 | 17,23 30,31.2,32.2,33.2 | | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 |
| 4A6Q74 | | | <i>Identifiler® Plus</i> | | | | |
| | 4e | 11,12,14,16 14,15,16 | 17,23 30,31.2,32.2,33.2 | | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 |
| 4DJJT3 | | | <i>Identifiler®</i> | | | <i>Identifiler Plus</i> | |
| | 4e | 11,12,14,16 14,15,16 | 17,23 30,31.2,32.2,33.2 | | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 |
| 4J96QG | | | <i>Identifiler®</i> | | | | |
| | 4e | 11,12,14,16 14,15,16 | 17,[23] 30,31.2,[32.2],[33.2] | | 15,[17],[18] 11,[14] X,[Y] [7],[9],9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 [11],13,[19],22 [21],[24],25 16,17,18 |
| 4LXJ9Z | | | <i>Identifiler® Plus</i> | | | | |
| | 4e | 11,12,14,16 14,15,16 | 17,23 30,31.2,32.2,33.2 | | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 |
| 6QBAH2 | | | <i>Identifiler® Plus</i> | | | | |
| | 4e | 11,12,14,16 14,15,16 | 17,23 30,31.2,32.2,33.2 | | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 |

TABLE 1

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

Item 4e

| | | | | | | | |
|--------|----|--------------------------------------|-------------------|----|------------------------------------|----------|-------------|
| 6TEEM9 | | <i>Identifiler® Identifiler Plus</i> | | | | | |
| | 4e | - | 17,23 | - | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | - | - | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | - | X,Y | 11,12 | 21,24,25 |
| | | - | - | - | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| 77G3E3 | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | NA | 17,23 | NA | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | NA | NA | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | NA | X,Y | 11,12 | 21,24,25 |
| | | NA | NA | NA | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| 7XGPAT | | <i>Identifiler®</i> | | | <i>Identifiler Plus, Minifiler</i> | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| 7XL32V | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| 7XQGEW | | <i>COfiler® and Profiler Plus®</i> | | | | | |
| | 4e | | | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | | 11,13,19,22 |
| | | | 30,31.2,32.2,33.2 | | X,Y | | 21,24,25 |
| | | | | | | | 16,17,18 |
| 7YGMPV | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| 8LLZRY | | <i>Identifiler®</i> | | | <i>PowerPlex® 16 HS</i> | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | 12,13 | 5,7,12,18 | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| 8MZF7Z | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| 8NDWHD | | <i>Identifiler®</i> | | | | | |
| | 4e | / | 17 | / | 15 | 11,13 | 9,11 |
| | | 14,16 | / | / | 11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | / | X,X | 11,12 | 25 |
| | | / | / | / | 9.3,10 | 8,10 | 17,18 |

TABLE 1

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

Item 4e

| | | | | | | | |
|--------|----|-------------------------------------|--|----------------------|--|--|--|
| 8Y4CZG | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | [11],[12],14,16 14,[15],16 | 30,31.2,[32.2],[33.2] | | 15,[17],[18] 11,[14] X,[Y] [7],[9],9.3,10 | [10],11,13 [10],12,14 11,12 8,10,11 | 9,[10],11 [11],13,[19],22 [21],[24],25 [16],17,18 |
| 8YWGT3 | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | 11,12,14,16 14,15,16 | 30,31.2,32.2,33.2 | | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 |
| 92D7LD | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | 11,12,14,16 [14],[15],16 | 30,31.2,32.2,33.2 | | 15,[17],[18] 11,[14] X,[Y] [7],[9],9.3,10 | [10],11,[13] [10],12,[14] 11,[12] 8,10,11 | 9,[10],[11] [11],13,[19],22 [21],[24],25 [16],17,18 |
| 93U3DD | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | 11,12,14,16 [14],[15],16 | 30,31.2,32.2,33.2 | | 15,[17],[18] 11,[14] X,[Y] [7],[9],9.3,10 | [10],11,[13] [10],12,[14] 11,[12] 8,10,11 | 9,[10],[11] [11],13,[19],22 [21],[24],25 [16],[17],18 |
| 98EDVM | | <i>Identifiler®</i> | | | | | |
| | 4e | 11,12,14,16 14,15,16 | 30,31.2,[32.2],[33.2] | | 15,[17],[18] 11,[14] X,[Y] 7,9,9.3,10 | [10],11,13 [10],12,14 11,12 8,10,11 | 9,[10],11 11,13,19,22 [21],[24],25 [16],17,18 |
| 9JVA4Y | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | NA 11,12,14,16 14,15,16 NA | 17,23 NA 30,31.2,32.2,33.2 NA | NA NA NA NA | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 |
| A4DHZQ | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | 11,12,14,16 14,15,16 | 30,31.2,32.2,33.2 | | 15,(17),(18) 11,11,(14) X,X,(Y) (7),9,9.3,10 | 10,11,13 (10),12,14 11,12 8,10,11 | 9,(10),11 11,13,19,22 (21),24,25 16,17,18 |
| A4WNVX | | <i>Identifiler® Plus</i> | | | <i>PowerPlex® 16</i> | | |
| | 4e | 14,16 [12],13 | 30,31.2,[32.2],[33.2] 7,12 | | 15,[17],[18] 11,[14] X,[Y] [7],[9],9.3,10 | [10],11,13 [10],12,14 11,[12] 8,10,[11] | 9,[10],11 13,22 [21],[24],25 [16],17,18 |
| A7J4NQ | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | 11,(12),14,16 14,15,16 | 30,31.2,32.2,(33.2) | | 15,15,(17),(18) 11,11,(14) X,X,(Y) 7,9,9.3,10 | 10,11,13 (10),12,14 11,12 8,10,11 | 9,(10),11 11,13,19,22 (21),(24),25 16,17,18 |

TABLE 1

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

Item 4e

| | | | | | | | |
|--------|----|--------------------------------------|-----------------------|---|------------------------------------|--------------|-----------------|
| A7NH2Q | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| A9BZF7 | | <i>Identifiler® Identifiler Plus</i> | | | | | |
| | 4e | - | 17,23 | - | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | - | - | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | - | X,Y | 11,12 | 21,24,25 |
| | | - | - | - | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| AK6EGM | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,23 | | 15,16,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| BC7HLW | | <i>Identifiler®</i> | | | <i>Identifiler Plus, Minifiler</i> | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| BKHAHL | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,17,[23] | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,X,[Y] | 11,12 | [21],[24],25,25 |
| | | | | | [7],[9],9.3,10 | 8,10,11 | 16,17,18 |
| BLQQ96 | | <i>Identifiler®</i> | | | <i>Identifiler Plus</i> | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| BNKBFX | | <i>COfiler® and Profiler Plus®</i> | | | | | |
| | 4e | | | | 15,[17],[18] | [10],11,[13] | 9,[10],11 |
| | | [11],[12],14,16 | | | 11,[14] | [10],12,14 | [11],13,[19],22 |
| | | | 30,31.2,[32.2],[33.2] | | X,[Y] | 11,[12] | [21],[24],25 |
| | | | | | 7,[9],9.3,10 | 8,10,11 | [16],17,18 |
| BRHP69 | | | | | <i>PowerPlex® 16 HS</i> | | |
| | 4e | | | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | 12,13 | 5,7,12,18 | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| BTE86N | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,17,(23) | | 15,15,(17),(18) | 10,11,13 | 9,(10),11 |
| | | (11),(12),14,16 | | | 11,11,(14) | (10),12,14 | (11),13,(19),22 |
| | | 14,15,16 | 30,31.2,(32.2),(33.2) | | X,X,(Y) | 11,12 | (21),(24),25,25 |
| | | | | | (7,9),9.3,10 | 8,10,11 | (16),17,18 |

TABLE 1

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

Item 4e

| | | | | | | | |
|--------|----|------------------------------------|-----------------------|-------|------------------|------------|-----------------|
| BVZ73J | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| C6Y78B | | <i>GlobalFiler</i> | | | | | |
| | 4e | 12,15.3 | 17,17 | 11,15 | 15,15 | 11,13 | 9,11 |
| | | 14,16 | 13,16 | 17,21 | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | 16,16 | X,X | 11,12 | 25,25 |
| | | | | 15,15 | 9.3,10 | 8,10 | 17,18 |
| CECB7M | | <i>Identifiler®</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| CGUBJG | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| CHAG2R | | <i>PowerPlex® 16</i> | | | | | |
| | 4e | | | | 15,[17],[18] | [10],11,13 | 9,[10],11 |
| | | [11],[12],14,16 | | | 11,[14] | [10],12,14 | [11],13,[19],22 |
| | | | 30,31.2,[32.2],[33.2] | | X,[Y] | 11,[12] | [21],[24],25 |
| | | [12],13 | [5],7,12,[18] | | [7],[9],9.3,10 | 8,10,11 | [16],17,18 |
| CM4DNX | | <i>COfiler® and Profiler Plus®</i> | | | | | |
| | 4e | | | | 15,[17],[18] | [10],11,13 | 9,[10],11 |
| | | [11],[12],14,16 | | | 11,[14] | [10],12,14 | [11],13,[19],22 |
| | | | 30,31.2,[32.2],[33.2] | | X,[Y] | 11,12 | [21],[24],25 |
| | | | | | [7],[9],9.3,10 | 8,10,11 | [16],17,18 |
| CQHBRE | | <i>Identifiler®</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| D7TAHX | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| DELKRT | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |

TABLE 1

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

Item 4e

| | | | | | | | |
|--------|----|---|---------------------|-------------------------------------|--------------|-------------------------|-----------------|
| DN9MRE | | <i>Identifiler®</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| DP37Y9 | | | | <i>PowerPlex® HS</i> | | | |
| | 4e | | | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | 12,13 | 5,7,12,18 | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| E4NY8F | | <i>COfiler® and Profiler Plus®</i> | | | | | |
| | 4e | | | | 15,(17,18) | (10),11,13 | 9,(10),11 |
| | | (11,12),14,16 | | | 11,(14) | (10),12,14 | (11),13,(19),22 |
| | | | 30,31.2,(32.2,33.2) | | X,Y | 11,12 | (21,24),25 |
| | | | | | (7,9),9.3,10 | 8,10,(11) | (16),17,18 |
| E8Y4Q3 | | <i>Identifiler® and Identifiler[sic] PLUS</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| E9YU4C | | | | <i>PowerPlex® HS</i> | | | |
| | 4e | | | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | 12,13 | 5,7,12,18 | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| EHJAN7 | | | | <i>PowerPlex® PP16 & PP16HS</i> | | | |
| | 4e | | | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | 12,13 | 5,7,12,18 | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| EQAT4Z | | <i>Identifiler®</i> | | | | <i>Identifiler Plus</i> | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| F4WHHW | | <i>COfiler® and Profiler Plus®</i> | | | | | |
| | 4e | | | | 15,(17,18) | (10),11,13 | 9,(10),11 |
| | | (11,12),14,16 | | | 11,(14) | (10),12,14 | (11),13,(19),22 |
| | | | 30,31.2,(32.2,33.2) | | X,(Y) | 11,(12) | (21,24),25 |
| | | | | | (7,9),9.3,10 | 8,10,11 | (16),17,18 |
| GBWCXA | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | - | 17,23 | - | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | - | - | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | - | X,Y | 11,12 | 21,24,25 |
| | | - | - | - | 7,9,9.3,10 | 8,10,11 | 16,17,18 |

TABLE 1

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

Item 4e

| | | | | | | | |
|---------|----|-----------------|------------------------------------|----------------|------------------------|------------|-----------------|
| GJ7QRX | | | <i>Identifiler®</i> | | <i>PowerPlex® HS</i> | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,11 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | 13,13 | 5,7,12,18 | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| GJQGRB | | | <i>Identifiler® Plus</i> | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 | |
| GKZAZR | | | <i>COfiler® and Profiler Plus®</i> | | | | |
| | 4e | | | | 15,[17],[18] | [10],11,13 | 9,[10],11 |
| | | [11],[12],14,16 | | | 11,[14] | [10],12,14 | [11],13,[19],22 |
| | | | 30,31.2,[32.2],[33.2] | | X,[Y] | 11,12 | [21],[24],25 |
| | | | | [7],[9],9.3,10 | 8,10,[11] | [16],17,18 | |
| GM3CLL | | | | | <i>PowerPlex® 16HS</i> | | |
| | 4e | | | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | 12,13 | 5,7,12,18 | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| H3BQFP | | | <i>Identifiler®</i> | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 | |
| H84RH4 | | | | | | SGM+ | |
| | 4e | | 17,23 | | 15,17,18 | | |
| | | 11,12,14,16 | | | | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | | 21,24,25 |
| | | | | 7,9,9.3,10 | | 16,17,18 | |
| HJM6Z9 | | | <i>Identifiler®</i> | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 | |
| HQJ638 | | | <i>Identifiler® Plus</i> | | | | |
| | 4e | | 17,[23] | | 15,[17],[18] | [10],11,13 | 9,[10],11 |
| | | [11],[12],14,16 | | | 11,[14] | [10],12,14 | [11],13,[19],22 |
| | | 14,[15],16 | 30,31.2,[32.2],[33.2] | | X,[Y] | 11,12 | [21],[24],25 |
| | | | | [7],[9],9.3,10 | 8,10,11 | [16],17,18 | |
| HZAAQAQ | | | <i>Identifiler® Plus</i> | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 | |

TABLE 1

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

Item 4e

| | | | | | | | |
|--------|----|-----------------|-----------------------|----------|--------------------------|------------|-----------------|
| J22VH4 | | | | | <i>PowerPlex® 16 HS</i> | | |
| | 4e | 11,12,14,16 | 30,31.2,32.2,33.2 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 12,13 | 5,7,12,18 | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| J2FF78 | | | | | <i>Identifiler® Plus</i> | | |
| | 4e | 11,12,14,16 | 30,31.2,32.2,33.2 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 14,15,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| J86UVE | | | | | <i>Identifiler® Plus</i> | | |
| | 4e | 11,12,14,16 | 30,31.2,32.2,33.2 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 14,15,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| JKUWAZ | | | | | <i>PowerPlex® HS</i> | | |
| | 4e | [11],[12],14,16 | 30,31.2,[32.2],[33.2] | | 15,[17],[18] | [10],11,13 | 9,[10],11 |
| | | [12],13 | [5],7,12,[18] | | 11,[14] | [10],12,14 | [11],13,[19],22 |
| | | | | | X,[Y] | 11,12 | [21],[24],25 |
| | | | | | [7],[9],9.3,10 | 8,10,[11] | [16],17,18 |
| JNQKNM | | | | | <i>PowerPlex® 16</i> | | |
| | 4e | [11],14,16 | 30,31.2,[32.2],[33.2] | | 15,[17],[18] | [10],11,13 | 9,[10],[11] |
| | | [12],13 | [5],7,12,[18] | | 11,[14] | [10],12,14 | [11],13,[19],22 |
| | | | | | X,[Y] | 11,12 | [21],[24],25 |
| | | | | | [7],[9],9.3,10 | 8,10,[11] | [16],17,18 |
| JNU2AZ | | | | | <i>Identifiler®</i> | | |
| | 4e | 11,12,14,16 | 30,31.2,32.2,33.2 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 14,15,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| JUGXPB | | | | | <i>PowerPlex® Fusion</i> | | |
| | 4e | 12,15,15.3,17 | 17,23 | 10,11,15 | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | 13,14,16 | 17,21,22 | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | 11,16 | X,Y | 11,12 | 21,24,25 |
| | | 12,13 | 5,7,12,18 | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| K4GXLE | | | | | <i>Identifiler®</i> | | |
| | 4e | 11,12,14,16 | 30,31.2,32.2,33.2 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 14,15,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| KABWZB | | | | | <i>Identifiler® Plus</i> | | |
| | 4e | 11,12,14,16 | 30,31.2,32.2,33.2 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 14,15,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |

TABLE 1

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

Item 4e

| | | | | | | | |
|--------|----|-----------------|--------------------------|----------|----------------------|-----------------------------------|-----------------|
| KAPD3Q | | | | | <i>PowerPlex® 16</i> | | |
| | 4e | 11,12,14,16 | 30,31.2,32.2,33.2 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 12,13 | 5,7,12,18 | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| KBFGWX | | | <i>Identifiler®</i> | | | <i>IdentifilerPLUS, MiniFiler</i> | |
| | 4e | 11,12,14,16 | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| KFU3TB | | | <i>Identifiler® Plus</i> | | | | |
| | 4e | 11,12,14,16 | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| KKLELL | | | <i>Identifiler®</i> | | | | |
| | 4e | 11,12,14,16 | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| KLNU8Y | | | <i>Identifiler®</i> | | | | |
| | 4e | [11],[12],14,16 | 17,[23] | | 15,[17],[18] | 10,11,13 | 9,[10],11 |
| | | 14,15,16 | 30,31.2,[32.2],[33.2] | | 11,[14] | [10],12,14 | [11],13,[19],22 |
| | | | | | X,[Y] | 11,12 | [21],[24],25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | [16],17,18 |
| KMD9PH | | | <i>Identifiler® Plus</i> | | | | |
| | 4e | 11,12,14,16 | 17 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | 11,14 | 10,12,14 | 13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| KMHN3H | | | | | <i>PowerPlex® 21</i> | | |
| | 4e | 12,15,15.3,17 | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | 17,21,22 | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | 12,13 | 5,7,12,18 | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| KN9TCG | | | <i>Identifiler® Plus</i> | | | | |
| | 4e | 11,12,14,16 | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| LBZH9R | | | <i>Identifiler®</i> | | | | |
| | 4e | 11,12,14,16 | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |

TABLE 1

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

Item 4e

| | | | | | | | |
|--------|----|--------------------------|-----------------------|-------------------------|----------------|------------|-----------------|
| LDNXYM | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| LLVLK9 | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,[23] | | 15,[17],[18] | 10,11,13 | 9,[10],[11] |
| | | [11],[12],14,16 | | | 11,[14] | [10],12,14 | 11,13,19,22 |
| | | 14,[15],16 | 30,31.2,[32.2],[33.2] | | X,[Y] | 11,[12] | [21],[24],25 |
| | | | | | [7],[9],9.3,10 | 8,10,11 | [16],17,18 |
| M79LMZ | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,[23] | | 15,[17],[18] | [10],11,13 | 9,[10],11 |
| | | [11],[12],14,16 | | | 11,[14] | [10],12,14 | [11],13,[19],22 |
| | | 14,[15],16 | 30,31.2,[32.2],[33.2] | | X,[Y] | 11,12 | [21],[24],25 |
| | | | | | [7],[9],9.3,10 | 8,10,11 | [16],17,18 |
| MF6QZF | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| MGQZQ3 | | <i>Identifiler®</i> | | | | | |
| | 4e | | 17,[23] | | 15,[17],[18] | 10,11,13 | 9,[10],[11] |
| | | 11,12,14,16 | | | 11,[14] | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,[32.2],[33.2] | | X,[Y] | 11,[12] | [21],[24],25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| MHWMRV | | | | <i>PowerPlex® 16 HS</i> | | | |
| | 4e | | | | 15,[17],[18] | [10],11,13 | 9,[10],11 |
| | | 11,12,14,16 | | | 11,[14] | [10],12,14 | [11],13,[19],22 |
| | | | 30,31.2,[32.2],[33.2] | | X,[Y] | 11,12 | [21],[24],25 |
| | | 13 | [5],7,12,[18] | | 7,9,9.3,10 | 8,10,[11] | [16],17,18 |
| MYMK23 | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,[23] | | 15,[17],[18] | [10],11,13 | 9,[10],11 |
| | | [11],[12],14,16 | | | 11,[14] | [10],12,14 | [11],13,[19],22 |
| | | 14,[15],16 | 30,31.2,[32.2],[33.2] | | X,[Y] | 11,12 | [21],24,25 |
| | | | | | [7],[9],9.3,10 | 8,10,[11] | [16],17,18 |
| MZT8B2 | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| N23JJP | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,[23] | | 15,[17],[18] | [10],11,13 | 9,[10],11 |
| | | [11],[12],14,16 | | | 11,[14] | [10],12,14 | [11],13,[19],22 |
| | | 14,[15],16 | 30,31.2,[32.2],[33.2] | | X,[Y] | 11,12 | [21],[24],25 |
| | | | | | [7],[9],9.3,10 | 8,10,[11] | [16],17,18 |

TABLE 1

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

Item 4e

| | | | | | | | |
|--------|---|--|--|--|--|--|--|
| N9KTA8 | | | | | <i>PowerPlex® Fusion</i> | | |
| 4e | 12,15,15.3,17 11,12,14,16 14,15,16 12,13 | 17,23 13,14,16 30,31.2,32.2,33.2 5,7,12,18 | 10,11,15 17,21,22 11,16 | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 | |
| NDFNT7 | | | | | <i>Identifiler® Plus</i> | | |
| 4e | 11,12,14,16 14,15,16 | 17,23 30,31.2,32.2,33.2 | | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 | |
| NVAJ2N | | | | | <i>Identifiler®</i> | <i>Identifiler[sic] Plus</i> | |
| 4e | 11,12,14,16 14,15,16 | 17,23 30,31.2,32.2,33.2 | | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 | |
| P87XTX | | | | | <i>Identifiler®</i> | | |
| 4e | not tested [11],[12],14,16 14,15,16 not tested | 17,[23] not tested 30,31.2,[32.2],[33.2] not tested | not tested not tested not tested not tested | 15,[17],[18] 11,[14] X,[Y] [7],[9],9.3,10 | [10],11,13 [10],12,14 11,12 8,10,[11] | 9,[10],11 [11],13,[19],22 [21],[24],25 [16],17,18 | |
| PCG3CK | | | | | <i>PowerPlex®</i> | <i>PowerPlex 16HS</i> | |
| 4e | 11,12,14,16 12,13 | 30,31.2,32.2,33.2 5,7,12,18 | | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 | |
| PFWBY | | | | | <i>Identifiler® Plus</i> | | |
| 4e | 11,12,14,16 14,15,16 | 17,23 30,31.2,32.2,33.2 | | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 | |
| PMD4UV | | | | | <i>Identifiler® Plus</i> | <i>PowerPlex® Fusion</i> | |
| 4e | 12,15,15.3,17 11,12,14,16 14,15,16 12,13 | 17,23 13,14,16 30,31.2,32.2,33.2 5,7,12,18 | 10,11,15 17,21,22 11,16 | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 | |
| Q2D3LY | | | | | <i>PowerPlex® 16 HS</i> | | |
| 4e | 11,12,14,16 12,13 | 30,31.2,32.2,33.2 5,7,12,18 | | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 | |
| Q78XKK | | | | | <i>Identifiler® Plus</i> | | |
| 4e | 11,12,14,16 14,15,16 | 17,23 30,31.2,32.2,33.2 | | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 | |

TABLE 1

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

Item 4e

| | | | | | | | |
|--------|----|---------------------------------|--------------------------------|----------------------------|--|--|--|
| Q7P4LW | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | [11],[12],14,16 14,[15],16 | 30,31.2,[32.2],[33.2] | | 15,[17],[18] 11,[14] X,[Y] [7],[9],9.3,10 | [10],11,[13] [10],12,14 11,[12] 8,10,11 | 9,[10],11 [11],13,[19],22 [21],[24],25 [16],17,18 |
| QAE9NF | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | 11,12,14,16 14,15,16 | 30,31.2,32.2,33.2 | | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 |
| QBMHDR | | <i>Identifiler®</i> | | | | | |
| | 4e | 11,12,14,16 14,15,16 | 30,31.2,32.2,33.2 | | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 |
| QCVHN2 | | <i>PowerPlex® ESI/ESX</i> | | | | | |
| | 4e | 12,15.3 11,12,14,16 14,16 | 17,23 13,16 30,31.2,33.2 | 10,11,15 17,21 16,16 | 15,17 X,X 7,9,9.3,10 | 10,12,14 | 11,13,19,22 21,24,25 17,18 |
| QMGY3T | | <i>Identifiler®</i> | | | | | |
| | 4e | [11],[12],14,16 14,[15],16 | 30,31.2,[32.2],[33.2] | | 15,[17],[18] 11,[14] X,[Y] [7],[9],9.3,10 | [10],11,13 [10],12,14 11,12 8,10,11 | 9,10,11 [11],13,[19],22 [21],[24],25 [16],17,18 |
| QT2WT2 | | <i>Identifiler®</i> | | | | | |
| | 4e | [11],[12],14,16 14,[15],16 | 30,31.2,[32.2],[33.2] | | 15,[17],[18] 11,11,[14] X,[Y] [7],[9],9.3,10 | [10],11,[13] [10],12,14 11,[12] 8,10,[11] | 9,[10],11 [11],13,19,22 [21],[24],25,25 [16],17,18 |
| QZHGR8 | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | 11,12,14,16 14,[15],16 | 30,31.2,[32.2],[33.2] | | 15,15,[17],[18] 11,11,[14] X,X,[Y] [7],[9],9.3,10 | [10],11,13 [10],12,14 11,12 8,10,11 | 9,[10],11 [11],13,[19],22 [21],[24],25 [16],17,18 |
| R9VNAW | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | [11],[12],14,16 [14],[15],16 | 30,31.2,[32.2],[33.2] | | 15,[17],[18] 11,[14] X,[Y] [7],[9],9.3,10 | [10],11,[13] [10],12,[14] 11,[12] 8,10,11 | 9,[10],[11] [11],13,[19],22 [21],[24],25 [16],[17],18 |
| RMA8NH | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | 11,12,14,16 14,15,16 | 30,31.2,32.2,33.2 | | 15,17,18 11,14 X,Y 7,9,9.3,10 | 10,11,13 10,12,14 11,12 8,10,11 | 9,10,11 11,13,19,22 21,24,25 16,17,18 |

TABLE 1

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

Item 4e

| | | | | | | | |
|--------|----|-----------------|-----------------------|-------|--------------------------|------------------|-----------------|
| RMNPEG | | | | | <i>PowerPlex® 16</i> | | |
| | 4e | [11],[12],14,16 | 30,31.2,[32.2],[33.2] | | 15,[17],[18] | [10],11,13 | 9,[10],11 |
| | | [12],13 | [5],7,12,[18] | | 11,[14] | [10],12,14 | [11],13,[19],22 |
| | | | | | X,[Y] | 11,12 | [21],[24],25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | [16],17,18 |
| RPFL6W | | | | | <i>PowerPlex® 21</i> | | |
| | 4e | 12,15.3 | 17,17 | - | 15,15 | 11,13 | 9,11 |
| | | 14,16 | - | 17,21 | 11,11 | 12,14 | 13,22 |
| | | 14,16 | 30,31.2 | - | X,X | 11,12 | 25,25 |
| | | 13,13 | 7,12 | - | 9.3,10 | 8,10 | 17,18 |
| RV49VV | | | | | <i>Identifiler®</i> | | |
| | 4e | [11],[12],14,16 | 30,31.2,[32.2],[33.2] | | 15,[17] | [10],11,13 | 9,[10],11 |
| | | 14,[15],16 | | | 11,[14] | [10],12,14 | [11],13,22 |
| | | | | | X,[Y] | 11,12 | [21],[24],25 |
| | | | | | [7],[9],9.3,10 | 8,10,[11] | [16],17,18 |
| RVJLLD | | | | | <i>Identifiler® Plus</i> | | |
| | 4e | 11,12,14,16 | 30,31.2,32.2,33.2 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 14,15,16 | | | 11,14 | 10,12,13,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| T67Y24 | | | | | <i>Identifiler® Plus</i> | | |
| | 4e | 11,12,14,16 | 30,31.2,32.2,33.2 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 14,15,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| T6REEK | | | | | <i>Identifiler® Plus</i> | <i>Minifiler</i> | |
| | 4e | 11,12,14,16 | 30,31.2,32.2,33.2 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 14,15,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| TFK328 | | | | | <i>PowerPlex® 16</i> | | |
| | 4e | 12,14,16 | 30,31.2,32.2 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 12,13 | 5,7,12,18 | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| TK32ZV | | | | | <i>PowerPlex® 16HS</i> | | |
| | 4e | 11,12,14,16 | 30,31.2,32.2,33.2 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 12,13 | 5,7,12,18 | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| TWUKJ8 | | | | | <i>Identifiler® Plus</i> | | |
| | 4e | 11,12,14,16 | 30,31.2,32.2,33.2 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 14,15,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |

TABLE 1

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

Item 4e

| | | | | | | | |
|--------|----|--------------------------|-----------------------|----|----------------|-------------|-----------------|
| U3RYD8 | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| UCPKRL | | <i>Identifiler®</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| UJ7V6M | | <i>Identifiler®</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| UNGZPA | | <i>PowerPlex® 16</i> | | | | | |
| | 4e | | | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | 12,13 | 5,7,12,18 | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| UPBUGD | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| V44TWE | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | NA | 17,23 | NA | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | NA | NA | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | NA | X,Y | 11,12 | 21,24,25 |
| | | NA | NA | NA | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| V8JHX3 | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,13,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| VQZMN2 | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 | | | 11,14 | 10,12,14 | 11,13,19,22 |
| | | 14,15,16 | 30,31.2,32.2,33.2 | | X,Y | 11,12 | 21,24,25 |
| | | | | | 7,9,9.3,10 | 8,10,11 | 16,17,18 |
| W9URK9 | | <i>PowerPlex® 16</i> | | | | | |
| | 4e | | | | 15,[17],[18] | [10],11,13 | 9,[10],11 |
| | | [11],[12],14,16 | | | 11,[14] | [10],12,14 | [11],13,[19],22 |
| | | | 30,31.2,[32.2],[33.2] | | X,[Y] | 11,12 | [21],[24],25 |
| | | [12],13 | [5],7,12 | | [7],[9],9.3,10 | 8,10,[11] | [16],17,18 |

TABLE 1

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

Item 4e

| | | | | | | | |
|--------|----|--|--|-------------------------|-------------------------------------|---------------------------------|---|
| WUEH7J | | <i>Identifiler®</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,[14],[16] 14,15,16 | 30,31.2,32.2,33.2 | | 11,14 X,Y 7,9,[9.3],[10] | 10,12,14 11,12 8,10,11 | 11,[13],19,[22] 21,24,25 16,17,18 |
| X732ZF | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 14,15,16 | 30,31.2,32.2,33.2 | | 11,14 X,Y 7,9,9.3,10 | 10,12,13,14 11,12 8,10,11 | 11,13,19,22 21,24,25 16,17,18 |
| XEEBWM | | <i>COfiler® and Profiler Plus®</i> | <i>Identifiler®</i> | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 14,15,16 | 30,31.2,32.2,33.2 | | 11,14 X,Y 7,9,9.3,10 | 10,12,14 11,12 8,10,11 | 11,13,19,22 21,24,25 16,17,18 |
| XFCBQT | | <i>Identifiler®</i> | | | | | |
| | 4e | | 17,17,[23] | | 15,15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 14,15,16 | 30,31.2,32.2,33.2 | | 11,11,[14] X,X,[Y] 7,9,9.3,10 | 10,12,14 11,12 8,10,11 | 11,13,19,22 21,24,25,25 16,17,18 |
| XG8VDT | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 14,15,16 | 30,31.2,32.2,33.2 | | 11,14 X,Y 7,9,9.3,10 | 10,12,14 11,12 8,10,11 | 11,13,19,22 21,24,25 16,17,18 |
| XR423K | | | | <i>PowerPlex® 16 HS</i> | | | |
| | 4e | | | | 15,[17],[18] | [10],11,13 | 9,[10],11 |
| | | [11],[12],14,16 [12],13 | 30,31.2,[32.2],[33.2] [5],7,12,[18] | | 11,[14] X,[Y] [7],[9],9.3,10 | [10],12,14 11,12 8,10,11 | [11],13,[19],22 [21],[24],25 [16],17,18 |
| Y27JF9 | | <i>Identifiler® Plus</i> | | | | <i>Minifiler</i> | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 14,15,16 | 30,31.2,32.2,33.2 | | 11,14 X,Y 7,9,9.3,10 | 10,12,14 11,12 8,10,11 | 11,13,19,22 21,24,25 16,17,18 |
| Y4RAGD | | <i>Identifiler® and Identifiler Plus</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 14,15,16 | 30,31.2,32.2,33.2 | | 11,14 X,Y 7,9,9.3,10 | 10,12,14 11,12 8,10,11 | 11,13,19,22 21,24,25 16,17,18 |
| Y8CEWM | | | | <i>PowerPlex® 16 HS</i> | | | |
| | 4e | | | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 12,13 | 30,31.2,32.2,33.2 5,7,12,18 | | 11,14 X,Y 7,9,9.3,10 | 10,12,14 11,12 8,10,11 | 11,13,19,22 21,24,25 16,17,18 |

TABLE 1

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

Item 4e

| | | | | | | | |
|--------|----|---------------------------------|-----------------------|--|------------------------------------|------------------------------------|---|
| YJR6ZY | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 14,15,16 | 30,31.2,32.2,33.2 | | 11,14 X,Y 7,9,9.3,10 | 10,12,14 11,12 8,10,11 | 13,19,22 21,24,25 16,17,18 |
| YWDJ2D | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 14,15,16 | 30,31.2,32.2,33.2 | | 11,14 X,Y 7,9,9.3,10 | 10,12,14 11,12 8,10,11 | 11,13,19,22 21,24,25 16,17,18 |
| YYJ6PD | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 14,15,16 | 30,31.2,32.2,33.2 | | 11,14 X,Y 7,9,9.3,10 | 10,12,14 11,12 8,10,11 | 11,13,19,22 21,24,25 16,17,18 |
| ZH63JA | | <i>Identifiler®</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 14,15,16 | 30,31.2,32.2,33.2 | | 11,14 X,Y 7,9,9.3,10 | 10,12,14 11,12 8,10,11 | 11,13,19,22 21,24,25 16,17,18 |
| ZLQXDU | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,23 | | 15,17,18 | 10,11,13 | 9,10,11 |
| | | 11,12,14,16 14,15,16 | 30,31.2,32.2,33.2 | | 11,14 X,Y 7,9,9.3,10 | 10,12,14 11,12 8,10,11 | 11,13,19,22 21,24,25 16,17,18 |
| ZX62CD | | <i>Identifiler® Plus</i> | | | | | |
| | 4e | | 17,[23] | | 15,[17],[18] | [10],11,13 | 9,[10],[11] |
| | | [11],[12],14,16 [14],[15],16 | 30,31.2,[32.2],[33.2] | | 11,[14] X,[Y] [7],[9],9.3,10 | [10],[12],14 11,[12] 8,10,11 | [11],13,[19],22 [21],[24],25 [16],17,18 |

TABLE 1

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

Item 4sp

| | | | | | | | |
|--------|-----|------------|----------------|-------|--------------------------|--------|------------|
| 2BKGU3 | | | | | <i>PowerPlex® 16</i> | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11,11 | 16,18 |
| 2E6GZB | | | | | <i>Identifiler® Plus</i> | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| 2KA6RQ | | | | | <i>Identifiler®</i> | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| 2MHHD | | | | | <i>Identifiler® Plus</i> | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| 2QXQWR | | | | | <i>PowerPlex® Fusion</i> | | |
| | 4sp | 15,17 | 17,23 | 10,11 | 17,18 | 10,11 | 9,10 |
| | | 11,12 | 13,14 | 17,22 | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | 11,16 | X,Y | 11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11 | 16,18 |
| 2R76YR | | | | | <i>Identifiler®</i> | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| 2YQBUD | | | | | <i>PowerPlex® 16, HS</i> | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11,11 | 16,18 |
| 32ZLG9 | | | | | <i>Identifiler® Plus</i> | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| 338KT3 | | | | | <i>Identifiler® Plus</i> | | |
| | 4sp | | 17,23 | | [15],17,18 | 10,11 | 9,10,[11] |
| | | 11,12,[14] | | | 11,14 | 10,12 | 11,19 |
| | | [14],15,16 | [30],32.2,33.2 | | X,Y | 11 | 21,24,[25] |
| | | | | | 7,9,[9.3],[10] | [8],11 | 16,[17],18 |

TABLE 1

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

Item 4sp

| | | | | | | | |
|--------|-----|-------|--------------------------|--|----------------------|-------------------------|-------|
| 38FBPG | | | <i>Identifiler®</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| 3DMM63 | | | | | <i>PowerPlex® HS</i> | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11,11 | 16,18 |
| 3RRRKV | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| 49B6BR | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| 4A6Q74 | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,12 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| 4DJJT3 | | | <i>Identifiler®</i> | | | <i>Identifiler Plus</i> | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| 4J96QG | | | <i>Identifiler®</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| 4LXJ9Z | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| 6QBAH2 | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |

TABLE 1

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

Item 4sp

| | | | | | | | |
|--------|-----|--------------------------------------|-----------|----|------------------------------------|-------|-------|
| 6TEEM9 | | <i>Identifiler® Identifiler Plus</i> | | | | | |
| | 4sp | - | 17,23 | - | 17,18 | 10,11 | 9,10 |
| | | 11,12 | - | - | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | - | X,Y | 11 | 21,24 |
| | | - | - | - | 7,9 | 11 | 16,18 |
| 77G3E3 | | <i>Identifiler® Plus</i> | | | | | |
| | 4sp | NA | 17,23 | NA | 17,18 | 10,11 | 9,10 |
| | | 11,12 | NA | NA | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | NA | X,Y | 11,11 | 21,24 |
| | | NA | NA | NA | 7,9 | 11,11 | 16,18 |
| 7XGPAT | | <i>Identifiler®</i> | | | <i>Identifiler Plus, Minifiler</i> | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| 7XL32V | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| 7XQGEW | | <i>COfiler® and Profiler Plus®</i> | | | | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | | 11,19 |
| | | | 32.2,33.2 | | X,Y | | 21,24 |
| | | | | | | | 16,18 |
| 7YGMPV | | <i>Identifiler® Plus</i> | | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| 8LLZRY | | <i>Identifiler®</i> | | | <i>PowerPlex® 16 HS</i> | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11,11 | 16,18 |
| 8MZF7Z | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| 8NDWHD | | <i>Identifiler®</i> | | | | | |
| | 4sp | / | 17,23 | / | 17,18 | 10,11 | 9,10 |
| | | 11,12 | / | / | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | / | X,Y | 11 | 21,24 |
| | | / | / | / | 7,9 | 11 | 16,18 |

TABLE 1

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

Item 4sp

| | | | | | | | |
|--------|-----|-------|--------------------------|----|----------------------|-------|-------|
| 8Y4CZG | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| 8YWGT3 | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| 92D7LD | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| 93U3DD | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| 98EDVM | | | <i>Identifiler®</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| 9JVA4Y | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | NA | 17,23 | NA | 17,18 | 10,11 | 9,10 |
| | | 11,12 | NA | NA | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | NA | X,Y | 11,11 | 21,24 |
| | | NA | NA | NA | 7,9 | 11,11 | 16,18 |
| A4DHZQ | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| A4WNVX | | | | | <i>PowerPlex® 16</i> | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11,11 | 16,18 |
| A7J4NQ | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |

TABLE 1

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

Item 4sp

| | | | | | | | |
|--------|-----|-------|--------------------------------------|---|-------------------------|------------------------------------|-------|
| A7NH2Q | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| A9BZF7 | | | <i>Identifiler® Identifiler Plus</i> | | | | |
| | 4sp | - | 17,23 | - | 17,18 | 10,11 | 9,10 |
| | | 11,12 | - | - | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | - | X,Y | 11 | 21,24 |
| | | - | - | - | 7,9 | 11 | 16,18 |
| AK6EGM | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| BC7HLW | | | <i>Identifiler®</i> | | | <i>Identifiler Plus, Minifiler</i> | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| BKHAHL | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| BLQQ96 | | | <i>Identifiler®</i> | | | <i>Identifiler Plus</i> | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| BNKBFX | | | <i>COfiler® and Profiler Plus®</i> | | | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| BRHP69 | | | | | <i>PowerPlex® 16 HS</i> | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11 | 16,18 |
| BTE86N | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |

TABLE 1

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

Item 4sp

| | | | | | | | |
|--------|-----|-------|------------------------------------|-------|----------------------|--------------------|-------|
| BVZ73J | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| C6Y78B | | | | | | <i>GlobalFiler</i> | |
| | 4sp | 15,17 | 17,23 | 10,11 | 17,18 | 10,11 | 9,10 |
| | | 11,12 | 13,14 | 17,22 | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | 11,16 | X,Y | 11,11 | 21,24 |
| | | | | 19,19 | 7,9 | 11,11 | 16,18 |
| CECB7M | | | <i>Identifiler®</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| CGUBJG | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| CHAG2R | | | | | <i>PowerPlex® 16</i> | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11,11 | 16,18 |
| CM4DNX | | | <i>COfiler® and Profiler Plus®</i> | | | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| CQHBRE | | | <i>Identifiler®</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| D7TAHX | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| DELKRT | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |

TABLE 1

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

Item 4sp

| | | | | | | | |
|--------|-----|-------|---|---|----------------------|-------|-------|
| DN9MRE | | | <i>Identifiler®</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| DP37Y9 | | | | | <i>PowerPlex® HS</i> | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11 | 16,18 |
| E4NY8F | | | | | | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| E8Y4Q3 | | | | | | | |
| | 4sp | | <i>Identifiler® and Identifiler[sic] PLUS</i> | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| E9YU4C | | | | | | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11 | 16,18 |
| EHJAN7 | | | | | | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11,11 | 16,18 |
| EQAT4Z | | | | | | | |
| | 4sp | | <i>Identifiler®</i> | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| F4WHHW | | | | | | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| GBWCXA | | | | | | | |
| | 4sp | | <i>Identifiler® Plus</i> | | 17,18 | 10,11 | 9,10 |
| | | - | 17,23 | - | 17,18 | 10,11 | 9,10 |
| | | 11,12 | - | - | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | - | X,Y | 11,11 | 21,24 |
| | | - | - | - | 7,9 | 11,11 | 16,18 |

TABLE 1

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

Item 4sp

| | | | | | | | |
|---------|-----|------------------------------------|----------------|------------------------|-------|----------|-------|
| GJ7QRX | 4sp | <i>Identifiler®</i> | | <i>PowerPlex® HS</i> | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11,11 | 16,18 |
| GJQGRB | 4sp | <i>Identifiler® Plus</i> | | | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | 7,9 | 11,11 | 16,18 | |
| GKAZR | 4sp | <i>COfiler® and Profiler Plus®</i> | | | | | |
| | | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | 7,9 | 11 | 16,18 | |
| GM3CLL | 4sp | | | <i>PowerPlex® 16HS</i> | | | |
| | | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11,11 | 16,18 |
| H3BQFP | 4sp | <i>Identifiler®</i> | | | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | 7,9 | 11,11 | 16,18 | |
| H84RH4 | 4sp | | | SGM+ | | | |
| | | | 17,23 | | 17,18 | | |
| | | 11,12 | | | | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | | 21,24 |
| | | | | 7,9 | | 16,18 | |
| HJM6Z9 | 4sp | <i>Identifiler®</i> | | | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9 |
| | | 11,12,14 | | | 11,14 | 10,12 | 11,19 |
| | | 14,15,16 | 31.2,32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | 7,9 | 11 | 16,17,18 | |
| HQJ638 | 4sp | <i>Identifiler® Plus</i> | | | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | 7,9 | 11,11 | 16,18 | |
| HZAAQAQ | 4sp | <i>Identifiler® Plus</i> | | | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | 7,9 | 11 | 16,18 | |

TABLE 1

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

Item 4sp

| | | | | | | | |
|--------|-----|-------|-----------|-------|--------------------------|-------|-------|
| J22VH4 | | | | | <i>PowerPlex® 16 HS</i> | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11 | 16,18 |
| J2FF78 | | | | | <i>Identifiler® Plus</i> | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| J86UVE | | | | | <i>Identifiler® Plus</i> | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| JKUWAZ | | | | | <i>PowerPlex® HS</i> | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11 | 16,18 |
| JNQKNM | | | | | <i>PowerPlex® 16</i> | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11,11 | 16,18 |
| JNU2AZ | | | | | <i>Identifiler®</i> | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| JUGXPB | | | | | <i>PowerPlex® Fusion</i> | | |
| | 4sp | 15,17 | 17,23 | 10,11 | 17,18 | 10,11 | 9,10 |
| | | 11,12 | 13,14 | 17,22 | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | 11,16 | X,Y | 11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11 | 16,18 |
| K4GXLE | | | | | <i>Identifiler®</i> | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| KABWZB | | | | | <i>Identifiler® Plus</i> | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |

TABLE 1

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

Item 4sp

| | | | | | | | |
|--------|-----|-------|--------------------------|-------|----------------------|-----------------------------------|-------|
| KAPD3Q | | | | | <i>PowerPlex® 16</i> | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11,12 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11,11 | 16,18 |
| KBFGWX | | | <i>Identifiler®</i> | | | <i>IdentifilerPLUS, MiniFiler</i> | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| KFU3TB | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| KKLELL | | | <i>Identifiler®</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| KLNU8Y | | | <i>Identifiler®</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| KMD9PH | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| KMHN3H | | | | | <i>PowerPlex® 21</i> | | |
| | 4sp | 15,17 | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | 17,22 | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11,11 | 16,18 |
| KN9TCG | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| LBZH9R | | | <i>Identifiler®</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |

TABLE 1

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

Item 4sp

| | | | | | | | |
|--------|-----|--------------------------|------------------|--|------------|-------|-------|
| LDNXYM | 4sp | <i>Identifiler® Plus</i> | | | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| LLVLK9 | 4sp | <i>Identifiler® Plus</i> | | | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| M79LMZ | 4sp | <i>Identifiler® Plus</i> | | | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| MF6QZF | 4sp | <i>Identifiler® Plus</i> | | | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| MGQZQ3 | 4sp | <i>Identifiler®</i> | | | | | |
| | | | 17,23 | | [15],17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | [31.2],32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| MHWMRV | 4sp | <i>PowerPlex® 16 HS</i> | | | | | |
| | | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11 | 16,18 |
| MYMK23 | 4sp | <i>Identifiler® Plus</i> | | | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| MZT8B2 | 4sp | <i>Identifiler® Plus</i> | | | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| N23JJP | 4sp | <i>Identifiler® Plus</i> | | | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |

TABLE 1

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

Item 4sp

| | | | | | | | |
|--------|------------|--------------------------|------------|--------------------------|-------|------------------------------|------------|
| N9KTA8 | 4sp | 15,17 | 17,23 | 10,11 | 17,18 | 10,11 | 9,10 |
| | | 11,12 | 13,14 | 17,22 | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | 11,16 | X,Y | 11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11 | 16,18 |
| NDFNT7 | 4sp | <i>Identifiler® Plus</i> | | | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | [14],15,16 | 32.2,33.2 | | X,Y | 11 | 21,24,[25] |
| | | | 7,9,[9.3] | 11 | 16,18 | | |
| NVAJ2N | 4sp | <i>Identifiler®</i> | | | | <i>Identifiler[sic] Plus</i> | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | 7,9 | 11,11 | 16,18 | | |
| P87XTX | 4sp | <i>Identifiler®</i> | | | | | |
| | | not tested | 17,23 | not tested | 17,18 | 10,11 | 9,10 |
| | | 11,12 | not tested | not tested | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | not tested | X,Y | 11,11 | 21,24 |
| | not tested | not tested | not tested | 7,9 | 11,11 | 16,18 | |
| PCG3CK | 4sp | | | <i>PowerPlex®</i> | | <i>PowerPlex 16HS</i> | |
| | | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | 12,13 | 5,18 | | 7,9 | 11,11 | 16,18 | |
| PFWBYY | 4sp | <i>Identifiler® Plus</i> | | | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | 7,9 | 11 | 16,18 | | |
| PMD4UV | 4sp | <i>Identifiler® Plus</i> | | <i>PowerPlex® Fusion</i> | | | |
| | | 15,17 | 17,23 | 10,11 | 17,18 | 10,11 | 9,10 |
| | | 11,12 | 13,14 | 17,22 | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | 11,16 | X,Y | 11,11 | 21,24 |
| | 12,13 | 5,18 | | 7,9 | 11,11 | 16,18 | |
| Q2D3LY | 4sp | | | <i>PowerPlex® 16 HS</i> | | | |
| | | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | 12,13 | 5,18 | | 7,9 | 11 | 16,18 | |
| Q78XKK | 4sp | <i>Identifiler® Plus</i> | | | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | 7,9 | 11,11 | 16,18 | | |

TABLE 1

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

Item 4sp

| | | | | | | | |
|--------|-----|-------|--------------------------|-------|---------------------------|-------|-------|
| Q7P4LW | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| QAE9NF | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| QBMHDR | | | <i>Identifiler®</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| QCVHN2 | | | | | <i>PowerPlex® ESI/ESX</i> | | |
| | 4sp | 15,17 | 17,23 | 10,11 | 17,18 | | |
| | | 11,12 | 13,14 | 17,22 | | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | 11,16 | X,Y | | 21,24 |
| | | | | | 7,9 | | 16,18 |
| QMGY3T | | | <i>Identifiler®</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| QT2WT2 | | | <i>Identifiler®</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| QZHGR8 | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| R9VNAW | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| RMA8NH | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |

TABLE 1

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

Item 4sp

| | | | | | | | |
|--------|-----|-------|--------------------------|-------|------------------------|------------------|-------|
| RMNPEG | | | | | <i>PowerPlex® 16</i> | | |
| | 4sp | 11,12 | 32.2,33.2 | | 17,18 | 10,11 | 9,10 |
| | | 12,13 | 5,18 | | 11,14 | 10,12 | 11,19 |
| | | | | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| RPFL6W | | | | | <i>PowerPlex® 21</i> | | |
| | 4sp | 15,17 | 17,23 | - | 17,18 | 10,11 | 9,10 |
| | | 11,12 | - | 17,22 | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | - | X,Y | 11,11 | 21,24 |
| | | 12,13 | 5,18 | - | 7,9 | 11,11 | 16,18 |
| RV49VV | | | <i>Identifiler®</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| RVJLLD | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| T67Y24 | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| T6REEK | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| TFK328 | | | | | <i>PowerPlex® 16</i> | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11,11 | 16,18 |
| TK32ZV | | | | | <i>PowerPlex® 16HS</i> | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11 | 16,18 |
| TWUKJ8 | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |

TABLE 1

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

Item 4sp

| | | | | | | | |
|--------|-----|-------|--------------------------|----|----------------------|------------------|-------|
| U3RYD8 | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| UCPKRL | | | <i>Identifiler®</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| UJ7V6M | | | <i>Identifiler®</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| UNGZPA | | | | | <i>PowerPlex® 16</i> | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11,11 | 16,18 |
| UPBUGD | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| V44TWE | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | NA | 17,23 | NA | 17,18 | 10,11 | 9,10 |
| | | 11,12 | NA | NA | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | NA | X,Y | 11,11 | 21,24 |
| | | NA | NA | NA | 7,9 | 11,11 | 16,18 |
| V8JHX3 | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| VQZMN2 | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| W9URK9 | | | | | <i>PowerPlex® 16</i> | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11,11 | 16,18 |

TABLE 1

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

Item 4sp

| | | | | | | | |
|--------|-----|------------------------------------|--|--|-------------------------|------------------|-------|
| WUEH7J | | | <i>Identifiler®</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| X732ZF | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| XEEBWM | | <i>COfiler® and Profiler Plus®</i> | <i>Identifiler®</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| XFCBQT | | | <i>Identifiler®</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| XG8VDT | | | <i>Identifiler® Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| XR423K | | | | | <i>PowerPlex® 16 HS</i> | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11 | 16,18 |
| Y27JF9 | | | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | |
| | 4sp | | 17,23 | | 15,17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 14,15,16 | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | | | | 7,9 | 11 | 16,18 |
| Y4RAGD | | | <i>Identifiler® and Identifiler Plus</i> | | | | |
| | 4sp | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y | 11,11 | 21,24 |
| | | | | | 7,9 | 11,11 | 16,18 |
| Y8CEWM | | | | | <i>PowerPlex® 16 HS</i> | | |
| | 4sp | | | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | | 32.2,33.2 | | X,Y | 11 | 21,24 |
| | | 12,13 | 5,18 | | 7,9 | 11 | 16,18 |

TABLE 1

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

Item 4sp

| | | | | | | | |
|--------|-----|--------------------------|-----------|--|------------------|-------|----------------|
| YJR6ZY | 4sp | <i>Identifiler® Plus</i> | | | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y 7,9 | 11,11 | 21,24 16,18 |
| YWDJ2D | 4sp | <i>Identifiler® Plus</i> | | | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y 7,9 | 11,11 | 21,24 16,18 |
| YYJ6PD | 4sp | <i>Identifiler® Plus</i> | | | <i>Minifiler</i> | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y 7,9 | 11,11 | 21,24 16,18 |
| ZH63JA | 4sp | <i>Identifiler®</i> | | | | | |
| | | | 17,23 | | 15,17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y 7,9 | 11,11 | 21,24 16,18 |
| ZLQXDU | 4sp | <i>Identifiler® Plus</i> | | | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y 7,9 | 11,11 | 21,24 16,18 |
| ZX62CD | 4sp | <i>Identifiler® Plus</i> | | | | | |
| | | | 17,23 | | 17,18 | 10,11 | 9,10 |
| | | 11,12 | | | 11,14 | 10,12 | 11,19 |
| | | 15,16 | 32.2,33.2 | | X,Y 7,9 | 11,11 | 21,24 16,18 |

Amplification Kit(s) & YSTR Results

TABLE 2

| WebCode | Item | DYS19 | DYS385 | DYS389-I | DYS389-II | DYS390 | DYS391 | DYS392 | DYS393 |
|---------|--------------|--------------------------|--------------------------|--------------------------|--|--------------------------|--|------------|------------|
| | | DYS437 | DYS438 | DYS439 | DYS448 | DYS456 | DYS458 | DYS481 | DYS533 |
| | | DYS549 | DYS570 | DYS576 | DYS635 | DYS643 | Y GATA H4 | YIndel | |
| Item 1 | | | | | | | | | |
| 4Y9RDD | Yfiler® 1 | | | | | | | | |
| 6TEEM9 | Yfiler® 1 | - | - | - | - | - | - | - | - |
| A9BZF7 | Yfiler® 1 | | | | | | | | |
| BC7HLW | Yfiler® 1 | No Results No Results | No Results No Results | No Results No Results | No Results No Results No Results | No Results No Results | No Results No Results No Results | No Results | No Results |
| C6Y78B | | <i>PowerPlex®Y 23</i> | | | | | | | |
| | 1 | - | - | - | - | - | - | - | - |
| E9YU4C | Yfiler® 1 | NR NR | NR NR | NR NR | NR NR NR | NR NR | NR NR NR | NR | NR |
| JHNCLZ | Yfiler® 1 | NR NR | NR NR | NR NR | NR NR NR | NR NR | NR NR NR | NR | NR |
| MZT8B2 | Yfiler® 1 | NR NR | NR NR | NR NR | NR NR NR | NR NR | NR NR NR | NR | NR |
| PMD4UV | Yfiler® 1 | - | - | - | - | - | - | - | - |
| Q2D3LY | Yfiler® 1 | NR NR | NR NR | NR NR | NR NR NR | NR NR | NR NR NR | NR | NR |

TABLE 2

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

Item 1

| | | | | | | | | | |
|--------|--------------|----|----|----|----|----|----|----|----|
| QG8N7T | Yfiler® 1 | | | | | | | | |
| WVA3UJ | Yfiler® 1 | | | | | | | | |
| Z7Y6JG | Yfiler® 1 | NR | NR | NR | NR | NR | NR | NR | NR |
| | | NR | NR | NR | NR | NR | NR | | |
| | | | | | NR | | NR | | |

TABLE 2

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

Item 2

| | | | | | | | | | | |
|--------|---------|---|----|-------------|----|----|----|----|----|----|
| 2KA6RQ | Yfiler® | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| 2MHHBD | Yfiler® | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| 2QXQWR | | | | Y23 | | | | | | |
| | | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | | | | 21 | 15 | 12 | | | |
| 3RRRKV | | | | PowerPlex®Y | | | | | | |
| | | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | | | | | | | | |
| | | | | | 12 | | | | | |
| 49B6BR | | | | PowerPlex®Y | | | | | | |
| | | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | | | | | | | | |
| | | | | | 12 | | | | | |
| 4J96QG | Yfiler® | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| 4Y9RDD | Yfiler® | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| 6GXCV | Yfiler® | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| 6TEEM9 | Yfiler® | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | - | - |
| | | | - | - | - | 21 | - | 12 | - | - |
| 7XL32V | Yfiler® | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| 7XQGEW | Yfiler® | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |

TABLE 2

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

Item 2

| | | | | | | | | | | |
|--------|--------------------|----|----------------|-------|----|----|----|----|----|----|
| 7YGMPV | Yfiler® | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| 8YWGT3 | | 2 | PowerPlex®Y 23 | | | | | | | |
| | | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | 11 | 21 | 15 | 21 | 15 | 12 | | | |
| A7NH2Q | Yfiler® | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| A9BZF7 | Yfiler® Yfiler Kit | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | - | - |
| | | | - | - | - | 21 | - | 12 | - | - |
| BC7HLW | Yfiler® | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| BKHAHL | Yfiler® | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| BRHP69 | Yfiler® | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| BVZ73J | Yfiler® | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| C6Y78B | | 2 | PowerPlex®Y 23 | | | | | | | |
| | | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | 11 | 21 | 15 | 21 | 15 | 12 | 2 | | |
| CECB7M | | 2 | PowerPlex®Y | | | | | | | |
| | | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | | | | | | |
| CGUBJG | Yfiler® | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |

TABLE 2

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

Item 2

| | | | | | | | | | |
|--------|----------------|----|-----------------------|----|----|----|----|----|----|
| D7TAHX | | | <i>PowerPlex®Y 23</i> | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | 11 | 21 | 15 | 21 | 15 | 12 | | |
| DELKRT | <i>Yfiler®</i> | | | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| DP37Y9 | <i>Yfiler®</i> | | | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| E9YU4C | <i>Yfiler®</i> | | | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| H84RH4 | <i>Yfiler®</i> | | | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| J22VH4 | <i>Yfiler®</i> | | | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| J2FF78 | <i>Yfiler®</i> | | | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| JHNCLZ | <i>Yfiler®</i> | | | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| JKUWAZ | <i>Yfiler®</i> | | | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| JNU2AZ | <i>Yfiler®</i> | | | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| JUGXPB | | | <i>PowerPlex®Y 23</i> | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | 11 | 21 | 15 | 21 | 15 | 12 | | |

TABLE 2

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

Item 2

| | | | | | | | | | |
|--------|---|-----------------------|-------|----|----|----|----|----|----|
| KABWZB | 2 | <i>PowerPlex®Y</i> | | | | | | | |
| | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | | | | | |
| KBFGWX | 2 | <i>Yfiler®</i> | | | | | | | |
| | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| KLNU8Y | 2 | <i>Yfiler®</i> | | | | | | | |
| | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| KMD9PH | 2 | <i>Yfiler®</i> | | | | | | | |
| | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| KN9TCG | 2 | <i>Yfiler®</i> | | | | | | | |
| | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| MF6QZF | 2 | <i>Yfiler®</i> | | | | | | | |
| | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| MHWMRV | 2 | <i>Yfiler®</i> | | | | | | | |
| | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| MZT8B2 | 2 | <i>Yfiler®</i> | | | | | | | |
| | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| N23JJP | 2 | <i>Yfiler®</i> | | | | | | | |
| | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| N9KTA8 | 2 | <i>PowerPlex®Y 23</i> | | | | | | | |
| | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | 11 | 21 | 15 | 21 | 15 | 12 | | |
| NDFNT7 | 2 | <i>Yfiler®</i> | | | | | | | |
| | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |

TABLE 2

| WebCode | Item | DYS19 | DYS385 | DYS389-I | DYS389-II | DYS390 | DYS391 | DYS392 | DYS393 |
|---------------|--------------|-----------------------|------------|------------|-----------|------------|-----------|------------|------------|
| | | DYS437 | DYS438 | DYS439 | DYS448 | DYS456 | DYS458 | DYS481 | DYS533 |
| | | DYS549 | DYS570 | DYS576 | DYS635 | DYS643 | Y GATA H4 | YIndel | |
| Item 2 | | | | | | | | | |
| NVAJ2N | Yfiler® 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| P87TX | Yfiler® 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | not tested | not tested |
| | | not tested | not tested | not tested | 21 | not tested | 12 | not tested | |
| | | | | | | | | | |
| PFWBY | Yfiler® 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| PMD4UV | Yfiler® 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| Q2D3LY | Yfiler® 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| QAE9NF | 2 | <i>PowerPlex®Y 23</i> | | | | | | | |
| | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | 11 | 21 | 15 | 21 | 15 | 12 | | |
| QBMHDR | Yfiler® 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| QCVHN2 | 2 | <i>PowerPlex®Y 23</i> | | | | | | | |
| | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | 11 | 21 | 15 | 21 | 15 | 12 | | |
| QG8N7T | Yfiler® 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| RMA8NH | 2 | <i>PowerPlex®Y 23</i> | | | | | | | |
| | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | 11 | 21 | 15 | 21 | 15 | 12 | | |
| RPFL6W | 2 | <i>PowerPlex®Y 23</i> | | | | | | | |
| | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | 11 | 21 | 15 | 21 | 15 | 12 | - | |

TABLE 2

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

Item 2

| | | | | | | | | | |
|--------|----------------|----|-----------------------|----|----|----|----|----|----|
| T6REEK | | | <i>PowerPlex®Y 23</i> | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | 11 | 21 | 15 | 21 | 15 | 12 | | |
| TK32ZV | <i>Yfiler®</i> | | | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| U3RYD8 | <i>Yfiler®</i> | | | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| V8JHX3 | <i>Yfiler®</i> | | | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| VQZMN2 | | | <i>PowerPlex®Y</i> | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | | | | | |
| W9URK9 | <i>Yfiler®</i> | | | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| WVA3UJ | <i>Yfiler®</i> | | | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| X732ZF | | | <i>PowerPlex®Y 23</i> | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | 11 | 21 | 15 | 21 | 15 | 12 | | |
| XEEBWM | <i>Yfiler®</i> | | | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| XFULZL | <i>Yfiler®</i> | | | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| XG8VDT | <i>Yfiler®</i> | | | | | | | | |
| | 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |

TABLE 2

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

Item 2

| | | | | | | | | | |
|--------|--------------|----|-----------------------------|----|----|----|----|----|----|
| XR423K | Yfiler® 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| Y4RAGD | Yfiler® 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| Y8CEWM | Yfiler® 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| Z7Y6JG | Yfiler® 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| ZH63JA | Yfiler® 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |
| ZLQXDU | | | <i>PowerPlex®Y</i> 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 15 | 11 | 12 | | | | | |
| | | 14 | | | | | | | |
| ZX62CD | Yfiler® 2 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | |

TABLE 2

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

Item 3

| | | | | | | | | | | |
|--------|-----------------|---|----|-------|----|----|----|----|----|----|
| 2KA6RQ | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| 2MHHBD | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| 2QXQWR | PowerPlex®Y Y23 | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | | 11 | 21 | 15 | 21 | 15 | 12 | | |
| | | | | | | | | | | |
| 3RRRKV | PowerPlex®Y | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | | | | | |
| 49B6BR | PowerPlex®Y | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | | | | | |
| 4J96QG | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | | 21 | | 12 | | |
| 6TEEM9 | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | - | - |
| | | | - | - | - | 21 | - | 12 | - | - |
| 7XL32V | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| 7XQGEW | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| 7YGMV | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| 8YWGT3 | PowerPlex®Y 23 | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | | 11 | 21 | 15 | 21 | 15 | 12 | | |

TABLE 2

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

Item 3

| | | | | | | | | | | | | | | | |
|--------|--------------------|---|----------------|-------|----|----|----|----|----|----|----|----|----|----|----|
| A7NH2Q | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 | | | | | |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | | | | | | |
| | | | | | 21 | | 12 | | | | | | | | |
| A9BZF7 | Yfiler® Yfiler Kit | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 | | | | | |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | - | - | | | | | |
| | | | - | - | - | 21 | - | 12 | - | | | | | | |
| BKHAHL | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 | | | | | |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | | | | | | |
| | | | | | | 21 | | 12 | | | | | | | |
| BRHP69 | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 | | | | | |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | | | | | | |
| | | | | | | 21 | | 12 | | | | | | | |
| BVZ73J | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 | | | | | |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | | | | | | |
| | | | | | | 21 | | 12 | | | | | | | |
| C6Y78B | | 3 | PowerPlex®Y 23 | | | 31 | 21 | 10 | 11 | 13 | | | | | |
| | | | 15 | 16,17 | 13 | | | | | | | | | | |
| | | | 14 | 11 | 12 | | | | | | 20 | 15 | 16 | 28 | 11 |
| | | | 11 | 21 | 15 | | | | | | 21 | 15 | 12 | 2 | |
| CECB7M | | 3 | PowerPlex®Y | | | 31 | 21 | 10 | 11 | 13 | | | | | |
| | | | 15 | 16,17 | 13 | | | | | | | | | | |
| | | | 14 | 11 | 12 | | | | | | | | | | |
| D7TAHX | | 3 | PowerPlex®Y 23 | | | 31 | 21 | 10 | 11 | 13 | | | | | |
| | | | 15 | 16,17 | 13 | | | | | | | | | | |
| | | | 14 | 11 | 12 | | | | | | 20 | 15 | 16 | 28 | 11 |
| | | | 11 | 21 | 15 | | | | | | 21 | 15 | 12 | | |
| DELKRT | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 | | | | | |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | | | | | | |
| | | | | | | 21 | | 12 | | | | | | | |
| DP37Y9 | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 | | | | | |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | | | | | | |
| | | | | | | 21 | | 12 | | | | | | | |
| E9YU4C | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 | | | | | |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | | | | | | |
| | | | | | | 21 | | 12 | | | | | | | |

TABLE 2

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

Item 3

| | | | | | | | | | |
|--------|---------------------|----|-------|----|----|----|----|----|----|
| H84RH4 | Yfiler® 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | 12 | |
| J22VH4 | Yfiler® 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | 12 | |
| JKUWAZ | Yfiler® 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | 12 | |
| JNU2AZ | Yfiler® 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | 12 | |
| JUGXPB | PowerPlex®Y 23 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | 11 | 21 | 15 | 21 | 15 | 12 | | |
| KABWZB | PowerPlex®Y 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | | | | | |
| KBFGWX | Yfiler® 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | 12 | |
| KLNU8Y | Yfiler® 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | 12 | |
| KMD9PH | Yfiler® 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | 12 | |
| KN9TCG | Yfiler® 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | 12 | |
| MF6QZF | Yfiler® 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | 14 | 11 | 12 | 20 | 15 | 16 | 12 | |

TABLE 2

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

Item 3

| | | | | | | | | | | |
|--------|---------|---|----------------|------------|------------|----|------------|----|------------|------------|
| MHWMRV | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| MZT8B2 | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| N23JJP | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| N9KTA8 | | 3 | PowerPlex®Y 23 | | | | | | | |
| | | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | | 11 | 21 | 15 | 21 | 15 | 12 | | |
| NDFNT7 | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| NVAJ2N | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| P87XTX | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | not tested | not tested |
| | | | not tested | not tested | not tested | 21 | not tested | 12 | not tested | |
| PFWBY | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| PMD4UV | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| Q2D3LY | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| QAE9NF | | 3 | PowerPlex®Y 23 | | | | | | | |
| | | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | | 11 | 21 | 15 | 21 | 15 | 12 | | |

TABLE 2

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

Item 3

| | | | | | | | | | | |
|--------|---------|----|----------------|-------|----|----|----|----|----|----|
| QBMHDR | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | | 21 | | 12 | | |
| QCVHN2 | | 3 | PowerPlex®Y 23 | | | | | | | |
| | | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | 11 | 21 | 15 | 21 | 15 | 12 | | | |
| RMA8NH | | 3 | PowerPlex®Y 23 | | | | | | | |
| | | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | 11 | 21 | 15 | 21 | 15 | 12 | | | |
| RPFL6W | | 3 | PowerPlex®Y 23 | | | | | | | |
| | | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | 11 | 21 | 15 | 21 | 15 | 12 | - | | |
| T6REEK | | 3 | PowerPlex®Y 23 | | | | | | | |
| | | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | 11 | 21 | 15 | 21 | 15 | 12 | | | |
| TK32ZV | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | | 21 | | 12 | | |
| U3RYD8 | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | | 21 | | 12 | | |
| V8JHX3 | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | | 21 | | 12 | | |
| VQZMN2 | | 3 | PowerPlex®Y | | | | | | | |
| | | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | | | | | |
| W9URK9 | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | | 21 | | 12 | | |
| X732ZF | | 3 | PowerPlex®Y 23 | | | | | | | |
| | | | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | 28 | 11 |
| | | 11 | 21 | 15 | 21 | 15 | 12 | | | |

TABLE 2

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

Item 3

| | | | | | | | | | | |
|--------|---------|---|----|-------|----|----|----|----|----|----|
| XEEBWM | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| XG8VDT | | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| XR423K | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| Y4RAGD | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| Y8CEWM | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| ZH63JA | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |
| ZLQXDU | | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | | | | | |
| | | | | | | | | | | |
| ZX62CD | Yfiler® | 3 | 15 | 16,17 | 13 | 31 | 21 | 10 | 11 | 13 |
| | | | 14 | 11 | 12 | 20 | 15 | 16 | | |
| | | | | | 21 | | 12 | | | |

TABLE 2

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

Item 4

| | | | | | | | | | |
|--------|--------------|----|-------|----|----|----|----|----|----|
| H84RH4 | Yfiler® 4 | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| QBMHDR | Yfiler® 4 | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |

TABLE 2

| WebCode | Item | DYS19 | DYS385 | DYS389-I | DYS389-II | DYS390 | DYS391 | DYS392 | DYS393 |
|----------------|--------------------------|--------|--------|----------|-----------|--------|-----------|--------|--------|
| | | DYS437 | DYS438 | DYS439 | DYS448 | DYS456 | DYS458 | DYS481 | DYS533 |
| | | DYS549 | DYS570 | DYS576 | DYS635 | DYS643 | Y GATA H4 | YIndel | |
| Item 4e | | | | | | | | | |
| 2KA6RQ | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| 2MHHBD | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| 2QXQWR | PowerPlex®Y Y23 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | 27 | 11 |
| | | 13 | 21 | 17 | 21 | 11 | 12 | | |
| 6TEEM9 | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | - | - |
| | | - | - | - | 21 | - | 12 | - | - |
| 7XL32V | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| 7XQGEW | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| 8YWGT3 | PowerPlex®Y 23 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | 27 | 11 |
| | | 13 | 21 | 17 | 21 | 11 | 12 | | |
| A7NH2Q | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| A9BZF7 | Yfiler® Yfiler Kit 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | - | - |
| | | - | - | - | 21 | - | 12 | - | - |
| BKHAHL | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| BRHP69 | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |

TABLE 2

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

Item 4e

| | | | | | | | | | |
|--------|---------------|----------------|-------|----|----|----|----|----|----|
| BVZ73J | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| C6Y78B | 4e | PowerPlex®Y 23 | | | | | | | |
| | | - | - | - | - | - | - | - | - |
| | | - | - | - | - | - | - | - | - |
| | | - | - | - | - | - | - | - | - |
| CECB7M | 4e | PowerPlex®Y | | | | | | | |
| | | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | | | | | |
| DELKRT | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| DP37Y9 | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| E9YU4C | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| J22VH4 | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| JKUWAZ | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| JNU2AZ | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| JUGXPB | 4e | PowerPlex®Y 23 | | | | | | | |
| | | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | 27 | 11 |
| | | 13 | 21 | 17 | 21 | 11 | 12 | | |
| KABWZB | 4e | PowerPlex®Y | | | | | | | |
| | | NT | NT | NT | NT | NT | NT | NT | NT |
| | | NT | NT | NT | | | | | NT |

TABLE 2

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

Item 4e

| | | | | | | | | | |
|--------|----------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| KBFGWX | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| KMD9PH | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| KN9TCG | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| MF6QZF | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| MHWMRV | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| MZT8B2 | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| N23JJP | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| N9KTA8 | PowerPlex®Y 23 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | 27 | 11 |
| | | 13 | 21 | 17 | 21 | 11 | 12 | | |
| NDFNT7 | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| NVAJ2N | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| P87XTX | Yfiler® 4e | not tested | not tested | not tested | not tested | not tested | not tested | not tested | not tested |
| | | not tested | not tested | not tested | not tested | not tested | not tested | not tested | not tested |
| | | not tested | not tested | not tested | not tested | not tested | not tested | not tested | not tested |

TABLE 2

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

Item 4e

| | | | | | | | | | |
|--------|---------------|----|-----------------------|----|----|----|----|----|----|
| PFWBY | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| PMD4UV | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| Q2D3LY | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| QAE9NF | 4e | | <i>PowerPlex®Y 23</i> | | | | | | |
| | | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | 27 | 11 |
| | | 13 | 21 | 17 | 21 | 11 | 12 | | |
| RMA8NH | 4e | | <i>PowerPlex®Y 23</i> | | | | | | |
| | | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | 27 | 11 |
| | | 13 | 21 | 17 | 21 | 11 | 12 | | |
| TK32ZV | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| U3RYD8 | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| V8JHX3 | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| W9URK9 | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| X732ZF | 4e | | <i>PowerPlex®Y 23</i> | | | | | | |
| | | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | 27 | 11 |
| | | 13 | 21 | 17 | 21 | 11 | 12 | | |
| XEEBWM | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |

TABLE 2

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

Item 4e

| | | | | | | | | | |
|--------|---------------|----|-------------|----|----|----|----|----|----|
| XR423K | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| Y4RAGD | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| Y8CEWM | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| ZH63JA | Yfiler® 4e | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| ZLQXDU | 4e | | PowerPlex®Y | | | | | | |
| | | NT | NT | NT | NT | NT | NT | NT | NT |
| | | NT | NT | NT | | | | | |

TABLE 2

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

Item 4sp

| | | | | | | | | | |
|--------|------------------------|----|-------|----|----|----|----|----|----|
| 2KA6RQ | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| 2MHHBD | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| 2QXQWR | PowerPlex®Y Y23 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | 27 | 11 |
| | | 13 | 21 | 17 | 21 | 11 | 12 | | |
| 3RRRKV | PowerPlex®Y 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | | | | | |
| 49B6BR | PowerPlex®Y 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | | | | | |
| 4J96QG | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| 6TEEM9 | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | - | - |
| | | - | - | - | 21 | - | 12 | - | - |
| 7XL32V | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| 7XQGEW | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| 7YGMVP | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| 8YWGT3 | PowerPlex®Y 23 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | 27 | 11 |
| | | 13 | 21 | 17 | 21 | 11 | 12 | | |

TABLE 2

| WebCode | Item | DYS19 | DYS385 | DYS389-I | DYS389-II | DYS390 | DYS391 | DYS392 | DYS393 |
|-----------------|---------------------------|--------|--------|----------|-----------|--------|-----------|--------|--------|
| | | DYS437 | DYS438 | DYS439 | DYS448 | DYS456 | DYS458 | DYS481 | DYS533 |
| | | DYS549 | DYS570 | DYS576 | DYS635 | DYS643 | Y GATA H4 | YIndel | |
| Item 4sp | | | | | | | | | |
| A7NH2Q | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| A9BZF7 | Yfiler® Yfiler Kit 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | - | - |
| | | - | - | - | 21 | - | 12 | - | |
| BKHAHL | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| BRHP69 | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| BVZ73J | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| C6Y78B | PowerPlex®Y 23 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | 27 | 11 |
| | | 13 | 21 | 17 | 21 | 11 | 12 | 2 | |
| | | | | | | | | | |
| CECB7M | PowerPlex®Y 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | | | | | |
| | | | | | | | | | |
| D7TAHX | PowerPlex®Y 23 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | 27 | 11 |
| | | 13 | 21 | 17 | 21 | 11 | 12 | | |
| | | | | | | | | | |
| DELKRT | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| DP37Y9 | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| E9YU4C | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |

TABLE 2

| WebCode | Item | DYS19 DYS437 DYS549 | DYS385 DYS438 DYS570 | DYS389-I DYS439 DYS576 | DYS389-II DYS448 DYS635 | DYS390 DYS456 DYS643 | DYS391 DYS458 Y GATA H4 | DYS392 DYS481 YIndel | DYS393 DYS533 |
|-----------------|----------------|---------------------------|----------------------------|------------------------------|-------------------------------|----------------------------|-------------------------------|----------------------------|------------------|
| Item 4sp | | | | | | | | | |
| J22VH4 | Yfiler® 4sp | 14 16 | 13,14 10 | 12 11 | 28 20 21 | 23 14 | 10 16 12 | 11 | 13 |
| JKUWAZ | Yfiler® 4sp | 14 16 | 13,14 10 | 12 11 | 28 20 21 | 23 14 | 10 16 12 | 11 | 13 |
| JNU2AZ | Yfiler® 4sp | 14 16 | 13,14 10 | 12 11 | 28 20 21 | 23 14 | 10 16 12 | 11 | 13 |
| JUGXPB | | | <i>PowerPlex®Y 23</i> | | | | | | |
| | 4sp | 14 16 13 | 13,14 10 21 | 12 11 17 | 28 20 21 | 23 14 11 | 10 16 12 | 11 27 | 13 11 |
| KABWZB | | | <i>PowerPlex®Y</i> | | | | | | |
| | 4sp | 14 16 | 13,14 10 | 12 11 | 28 | 23 | 10 | 11 | 13 |
| KBFGWX | Yfiler® 4sp | 14 16 | 13,14 10 | 12 11 | 28 20 21 | 23 14 | 10 16 12 | 11 | 13 |
| KLNU8Y | Yfiler® 4sp | 14 16 | 13,14 10 | 12 11 | 28 20 21 | 23 14 | 10 16 12 | 11 | 13 |
| KMD9PH | Yfiler® 4sp | 14 16 | 13,14 10 | 12 11 | 28 20 21 | 23 14 | 10 16 12 | 11 | 13 |
| KN9TCG | Yfiler® 4sp | 14 16 | 13,14 10 | 12 11 | 28 20 21 | 23 14 | 10 16 12 | 11 | 13 |
| MF6QZF | Yfiler® 4sp | 14 16 | 13,14 10 | 12 11 | 28 20 21 | 23 14 | 10 16 12 | 11 | 13 |
| MHWMRV | Yfiler® 4sp | 14 16 | 13,14 10 | 12 11 | 28 20 21 | 23 14 | 10 16 12 | 11 | 13 |

TABLE 2

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

Item 4sp

| | | | | | | | | | |
|--------|-----------------------|------------|------------|------------|----|------------|----|------------|------------|
| MZT8B2 | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| N23JJP | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| N9KTA8 | PowerPlex®Y 23 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | 27 | 11 |
| | | 13 | 21 | 17 | 21 | 11 | 12 | | |
| NDFNT7 | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| NVAJ2N | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| P87XTX | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | not tested | not tested |
| | | not tested | not tested | not tested | 21 | not tested | 12 | not tested | |
| PFWBY | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| PMD4UV | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| Q2D3LY | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| QAE9NF | PowerPlex®Y 23 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | 27 | 11 |
| | | 13 | 21 | 17 | 21 | 11 | 12 | | |
| QCVHN2 | PowerPlex®Y 23 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | 27 | 11 |
| | | 13 | 21 | 17 | 21 | 11 | 12 | | |

TABLE 2

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

Item 4sp

| | | | | | | | | | |
|--------|-----|-----------------------|-------|----|----|----|----|----|----|
| RMA8NH | 4sp | <i>PowerPlex®Y 23</i> | | | | | | | |
| | | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | 27 | 11 |
| | | 13 | 21 | 17 | 21 | 11 | 12 | | |
| RPFL6W | 4sp | <i>PowerPlex®Y 23</i> | | | | | | | |
| | | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | 27 | 11 |
| | | 13 | 21 | 17 | 21 | 11 | 12 | - | |
| T6REEK | 4sp | <i>PowerPlex®Y 23</i> | | | | | | | |
| | | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | 27 | 11 |
| | | 13 | 21 | 17 | 21 | 11 | 12 | | |
| TK32ZV | 4sp | <i>Yfiler®</i> | | | | | | | |
| | | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| U3RYD8 | 4sp | <i>Yfiler®</i> | | | | | | | |
| | | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| V8JHX3 | 4sp | <i>Yfiler®</i> | | | | | | | |
| | | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| VQZMN2 | 4sp | <i>PowerPlex®Y</i> | | | | | | | |
| | | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | | | | | |
| W9URK9 | 4sp | <i>Yfiler®</i> | | | | | | | |
| | | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| X732ZF | 4sp | <i>PowerPlex®Y 23</i> | | | | | | | |
| | | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | 27 | 11 |
| | | 13 | 21 | 17 | 21 | 11 | 12 | | |
| XEEBWM | 4sp | <i>Yfiler®</i> | | | | | | | |
| | | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| XG8VDT | 4sp | <i>Yfiler®</i> | | | | | | | |
| | | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |

TABLE 2

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

Item 4sp

| | | | | | | | | | |
|--------|--------------------|----|-------|----|----|----|----|----|----|
| XR423K | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| Y4RAGD | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| Y8CEWM | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| ZH63JA | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |
| ZLQXDU | PowerPlex®Y 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | | | | | |
| ZX62CD | Yfiler® 4sp | 14 | 13,14 | 12 | 28 | 23 | 10 | 11 | 13 |
| | | 16 | 10 | 11 | 20 | 14 | 16 | | |
| | | | | | 21 | | 12 | | |

Additional DNA Results

TABLE 3

| Locus | WebCode | Item 1 | Item 2 | Item 3 | Item 4e | Item 4sp |
|---------|---------|--------|--------|--------|----------|----------|
| D6S1043 | KMHN3H | 11,11 | 11,20 | 11,20 | 11,12,13 | 12,13 |
| | RPFL6W | 11,11 | 11,20 | 11,20 | 11,11 | 12,13 |

DNA Interpretations

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

TABLE 4

| WebCode | <u>Victim (Item 1)</u> | | <u>Suspect (Item 2)</u> | | WebCode | <u>Victim (Item 1)</u> | | <u>Suspect (Item 2)</u> | |
|---------|---|--------|-------------------------|--------|---------|---|--------|-------------------------|--------|
| | Item 3 | Item 4 | Item 3 | Item 4 | | Item 3 | Item 4 | Item 3 | Item 4 |
| 2BKGU3 | No | Yes | Yes | No | 6GXCJV | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | |
| 2CYWCB | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | | 6QBAH2 | No | Yes | Yes | No |
| 2E6GZB | No | Yes | Yes | No | 6TEEM9 | No | Yes | Yes | No |
| 2KA6RQ | No | Yes | Yes | No | 6YFNX8 | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | |
| 2MHHD | No | Yes | Yes | No | 77G3E3 | No | Yes | Yes | No |
| 2QXQWR | No | Yes | Yes | No | 7XGPAT | No | Yes | Yes | No |
| 2R76YR | No | Yes | Yes | No | 7XL32V | No | Yes | Yes | No |
| 2YQBUD | No | Yes | Yes | No | 7XQGEW | No | Yes | Yes | No |
| 32ZLG9 | No | Yes | Yes | No | 7YGMPV | No | Yes | Yes | No |
| 338KT3 | No | Yes | Yes | No | 8LLZRY | No | Yes | Yes | No |
| 38FBPG | No | Yes | Yes | No | 8MZF7Z | No | Yes | Yes | No |
| 3DMM63 | No | Yes | Yes | No | 8NDWHD | No | Yes | Yes | No |
| 3RRRKV | No | Yes | Yes | No | 8Y4CZG | No | Yes | Yes | No |
| 49B6BR | No | Yes | Yes | No | 8YWGT3 | No | Yes | Yes | No |
| 4A6Q74 | No | Yes | Yes | No | 92D7LD | No | Yes | Yes | No |
| 4DJT3 | No | Yes | Yes | No | 93U3DD | No | Yes | Yes | No |
| 4J96QG | No | Yes | Yes | No | 98EDVM | No | Yes | Yes | No |
| 4LXJ9Z | No | Yes | Yes | No | 9JVA4Y | No | Yes | Yes | No |
| 4Y9RDD | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | | A4DHZQ | No | Yes | Yes | No |

TABLE 4

| WebCode | Victim (Item 1) | | Suspect (Item 2) | | WebCode | Victim (Item 1) | | Suspect (Item 2) | |
|---------|---|--------|------------------|--------|---------|---|--------|------------------|--------|
| | Item 3 | Item 4 | Item 3 | Item 4 | | Item 3 | Item 4 | Item 3 | Item 4 |
| A4WNXV | No | Yes | Yes | No | D7WRK3 | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | |
| A7J4NQ | No | Yes | Yes | No | DELKRT | No | Yes | Yes | No |
| A7NH2Q | No | Yes | Yes | No | DFKLZ6 | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | |
| A9BZF7 | No | Yes | Yes | No | DN9MRE | No | Yes | Yes | No |
| AK6EGM | No | Yes | Yes | No | DP37Y9 | No | Yes | Yes | No |
| BA2JZ4 | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | | E4NY8F | No | Yes | Yes | No |
| BC7HLW | No | Yes | Yes | No | E8Y4Q3 | No | Yes | Yes | No |
| BKHAHL | No | Yes | Yes | No | E9YU4C | No | Yes | Yes | No |
| BLQQ96 | No | Yes | Yes | No | EHJAN7 | No | Yes | Yes | No |
| BNKBFX | No | Yes | Yes | No | EQAT4Z | No | Yes | Yes | No |
| BRHP69 | No | Yes | Yes | No | F4WHHW | No | Yes | Yes | No |
| BTE86N | No | Yes | Yes | No | GBWCXA | No | Yes | Yes | No |
| BVZ73J | No | Yes | Yes | No | GJ7QRX | No | Yes | Yes | No |
| C6Y78B | No | Yes | Yes | No | GJQGRB | No | Yes | Yes | No |
| CECB7M | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | | GKZAZR | No | Yes | Yes | No |
| CGUBJG | No | Yes | Yes | No | GM3CLL | No | Yes | Yes | No |
| CHAG2R | No | Yes | Yes | No | H3BQFP | No | Yes | Yes | No |
| CM4DNX | No | Yes | Yes | No | H84RH4 | No | Yes | Yes | No |
| CNCQ4E | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | | HJM6Z9 | No | Yes | Yes | No |
| CQHBRE | No | Yes | Yes | No | HQJ638 | No | Yes | Yes | No |
| D7TAHX | No | Yes | Yes | No | HZAQAQ | No | Yes | Yes | No |

TABLE 4

| WebCode | Victim (Item 1) | | Suspect (Item 2) | | WebCode | Victim (Item 1) | | Suspect (Item 2) | |
|---------|---|--------|------------------|--------|---------|---|--------|------------------|--------|
| | Item 3 | Item 4 | Item 3 | Item 4 | | Item 3 | Item 4 | Item 3 | Item 4 |
| J22VH4 | No | Yes | Yes | No | M79LMZ | No | Yes | Yes | No |
| J2FF78 | No | Yes | Yes | No | MF6QZF | No | Yes | Yes | No |
| J86UVE | No | Yes | Yes | No | MGQZQ3 | No | Yes | Yes | No |
| JHNCLZ | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | | MHWMRV | No | Yes | Yes | No |
| JKUWAZ | No | Yes | Yes | No | MYMK23 | No | Yes | Yes | No |
| JNQKNM | No | Yes | Yes | No | MZT8B2 | No | Yes | Yes | No |
| JNU2AZ | No | Yes | Yes | No | N23JJP | No | Yes | Yes | No |
| JUGXPB | No | Yes | Yes | No | N9KTA8 | No | Yes | Yes | No |
| K4GXLE | No | Yes | Yes | No | NDFNT7 | No | Yes | Yes | No |
| KABWZB | No | Yes | Yes | No | NVAJ2N | No | Yes | Yes | No |
| KAPD3Q | No | Yes | Yes | No | P87XTX | No | Yes | Yes | No |
| KBFGWX | No | Yes | Yes | No | P9LVLX | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | |
| KFU3TB | No | Yes | Yes | No | PCG3CK | No | Yes | Yes | No |
| KKLELL | No | Yes | Yes | No | PFWBYY | No | Yes | Yes | No |
| KLNU8Y | No | Yes | Yes | No | PMD4UV | No | Yes | Yes | No |
| KMD9PH | No | Yes | Yes | No | Q2D3LY | No | Yes | Yes | No |
| KMHN3H | No | Yes | Yes | No | Q78XKK | No | Yes | Yes | No |
| KN9TCG | No | Yes | Yes | No | Q7P4LW | No | Yes | Yes | No |
| LBZH9R | No | Yes | Yes | No | QAE9NF | No | Yes | Yes | No |
| LDNXYM | No | Yes | Yes | No | QBMHDR | No | Yes | Yes | No |
| LLVLK9 | No | Yes | Yes | No | QCVHN2 | No | Yes | Yes | No |

TABLE 4

| WebCode | Victim (Item 1) | | Suspect (Item 2) | | WebCode | Victim (Item 1) | | Suspect (Item 2) | |
|---------|---|--------------------------------------|------------------|--------|---------|---|--------|------------------|--------|
| | Item 3 | Item 4 | Item 3 | Item 4 | | Item 3 | Item 4 | Item 3 | Item 4 |
| QG8N7T | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | | UNGZPA | No | Yes | Yes | No |
| QMGY3T | No | Yes | Yes | No | UPBUGD | No | Yes | Yes | No |
| QT2WT2 | No | Yes | Yes | No | V44TWE | No | Yes | Yes | No |
| QYVUKD | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | | V8JHX3 | No | Yes | Yes | No |
| QZHGR8 | No | Yes | Yes | No | VBMCT | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | |
| R9VNAW | No | Yes | Yes | No | VQZMN2 | No | Yes | Yes | No |
| RE2H4R | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | | W9URK9 | No | Yes | Yes | No |
| RMA8NH | No | Yes | Yes | No | WUEH7J | No | Yes | Yes | No |
| RMNPEG | No | Yes | Yes | No | WVA3UJ | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | |
| RPFL6W | No | Yes | Yes | No | X732ZF | No | Yes | Yes | No |
| RV49VW | No | Yes | Yes | No | XEEBWM | No | Yes | Yes | No |
| RVJLLD | No | Yes | Yes | No | XF78M3 | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | |
| T67Y24 | No | Yes | Yes | No | XFCBQT | No | Yes | Yes | No |
| T6REEK | No | Yes - epithelial cell fraction | Yes | No | XFULZL | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | |
| TFK328 | No | Yes | Yes | No | XG8VDT | No | Yes | Yes | No |
| TK32ZV | No | Yes | Yes | No | XR423K | No | Yes | Yes | No |
| TWUKJ8 | No | Yes | Yes | No | Y27JF9 | No | Yes | Yes | No |
| U3RYD8 | No | Yes | Yes | No | Y4RAGD | No | Yes | Yes | No |
| U4QYLK | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | | Y8CEWM | No | Yes | Yes | No |
| UCPKRL | No | Yes | Yes | No | YJR6ZY | No | Yes | Yes | No |
| UJ7V6M | No | Yes | Yes | No | YWDJ2D | No | Yes | Yes | No |

TABLE 4

| WebCode | Victim (Item 1) | | Suspect (Item 2) | | WebCode | Victim (Item 1) | | Suspect (Item 2) | |
|---------|---|--------|------------------|--------|---------|-----------------|--------|------------------|--------|
| | Item 3 | Item 4 | Item 3 | Item 4 | | Item 3 | Item 4 | Item 3 | Item 4 |
| YWG24H | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | | | | | | |
| YYJ6PD | No | Yes | Yes | No | | | | | |
| Z7Y6JG | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | | | | | | |
| ZH63JA | No | Yes | Yes | No | | | | | |
| ZLQXDU | No | Yes | Yes | No | | | | | |
| ZPPELH | No Interpretations Reported, DNA Analyzed for Database purposes only. | | | | | | | | |
| ZX62CD | No | Yes | Yes | No | | | | | |

| Response Summary | | | Participants reporting DNA results: 171 | | | |
|--|-----|-----------------|---|------------------|---------------|--|
| <i>Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 & 4)?</i> | | | | | | |
| | | Victim (Item 1) | | Suspect (Item 2) | | |
| | | <u>Item 3</u> | <u>Item 4</u> | <u>Item 3</u> | <u>Item 4</u> | |
| Responses | Yes | 0 | 149 | 149 | 0 | |
| | No | 149 | 0 | 0 | 149 | |
| | Inc | 0 | 0 | 0 | 0 | |

Participants not reporting Interpretation results: 22

Additional Comments

TABLE 5

| WebCode | Additional Comments |
|---------|---|
| 2MHHBD | 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® Direct/Plus (STR) and Yfiler® (Y-STR). Separation and detection was on the ABI 3130xl Genetic Analyzer and analysis was by GeneMapper® ID v3.2.1. |
| 6TEEM9 | 1) Item 1 and Item 2 were amplified using AmpFISTR Identifiler Direct Kit. 2) Item 3 extracted using Promega DNA IQ Kit on Tecan Freedom Evo 150. 3) Item 4 extracted with chelex extraction method. 4) Both Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification Kit from Applied Biosystem and carried out by Real Time PCR. 5) Both Item 3 and Item 4 were amplified using AmpFISTR Identifiler Plus Kit. 6) Electrophoresis were carried out on the Genetic Analyzer 3130xl for Item 1, Item 2, Item 3 and Item 4. 7) Reagent Blank, Positive Control and Negative Control were run together during the analysis. |
| A9BZF7 | 1. Item 1 and Item 2 was extracted using the in-situ extraction method and amplified using the Identifiler Direct Kit. 2. Item 3 was extracted using the Tecan extraction method and Item 4 was extracted using the differential extraction method. Both these items were amplified using the Identifiler Plus Kit. 3. Item 2, 3 and 4 were amplified using the Yfiler Kit. 4. Eletroforesis[sic] was carried out on these items using the 3130xl and 3500xl Genetic Analyzer. |
| AK6EGM | The epithelial cell fraction of my differential extraction of Item 4 (the stain on the victim's bed sheet) contains possible elevated stutter at D3S1358. The remainder of the profile appears to be a two-person mixture and shows no other indications of additional contributors. However, since this is a mixture profile, it is being treated as it would be in casework and the "16" being called is being entered as a true allele. |
| BKHAHL | Item #1 (victim) was not analyzed w/ Yfiler since it was a female sample. Item #1 (victim) could not be excluded from the mixture obtained from item #4 (bed sheet - epithelial fraction); however, item #1 (victim) is excluded from item #4 (bed sheet - sperm fraction). |
| C6Y78B | Participant's note concerning boxes (either with - or empty): box filled with a single dash (-) indicates that the related marker gave no allele for that item, empty box indicates that no experiment was performed on that marker |
| CM4DNX | Item 3 (A1-3): Heterozygous imbalance for D5S818 was 50%. Alleles reported however they were not used for statistical purposes. |
| CNCQ4E | N/A = Not Applicable |
| E9YU4C | NR = NO RESULTS |
| H84RH4 | No YSTR on sample 1 (item 1) - female. |
| JHNCLZ | NR = No Results |
| K4GXLE | mixed profile in epithelial fraction for Item 4, consistent with DNA profile determined for complainant (Item 1) and male profile determined from sperm fraction. |
| P87XTX | Victim (Item 1) contributes to only the epithelial fraction of Item 4. |
| Q2D3LY | NR indicates no results |
| QMGY3T | Victim (Item 1) matched major profile in non-sperm fraction of Item 4 |
| RPFL6W | 1. DNA from item#3 was extracted using QIAamp DNA Micro kit as indicated by the manufacturer. Differential extraction was performed on item#4, followed by QIAamp DNA Micro kit. 2. All the extracted DNA was quantified using Quantifiler® Human DNA Quantification kit through 7500 Real Time PCR (Applied Biosystems). 3. Direct amplification of item#1 and #2(punched using 1.2 mm Harris Uni-Core), and amplification of extracted DNA (item#3 and #4) were performed using PowerPlex® 21 System (Promega). 4. Y-STR analysis was performed on item#2, #3, and #4-sp using PowerPlex® Y23 System |

TABLE 5

| WebCode | Additional Comments |
|---------|--|
| | (Promega). 5. Capillary electrophoresis was carried out through AB 3130 xl Genetic Analyzer (Applied Biosystems). 6. Genotype analysis was performed using GeneMapper ID version 3.2.1 software (Applied Biosystems). 7. All procedures was performed according to the laboratory Standard Operating Procedure (SOP). |
| V8JHX3 | The epithelial cell fraction of my differential extraction of Item 4 (the stain on the victim's bed sheet) contains possible elevated stutter at D16S539. The remainder of the profile appears to be a two-person mixture and shows no other indications of additional contributors. However, since this is a mixture profile, it is being treated as it would be in casework and the "13" being called is being entered as a true allele. |
| W9URK9 | As per laboratory procedure female references are not analyzed with Yfiler |
| WVA3UJ | [From Table 2 - YSTR Results, Item 1: "no profile - female sample"] |
| X732ZF | An additional allele for Item 4 (epithelial) was detected at Locus D16S539. This 13 allele is likely elevated stutter. The observed stutter percentage was 10.7% and our laboratory's validated stutter percentage at this locus is 10%. |
| Z7Y6JG | NR = NO RESULTS |

Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

Test No. 14-582: DNA-Semen

DATA MUST BE RECEIVED BY May 5, 2014 TO BE INCLUDED IN THE REPORT

Participant Code:

WebCode:

Accreditation Release Statement

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

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

Scenario:

Police are investigating the sexual assault of a girl during a home invasion. Screening has been done on the samples with the following results: Item 3 (victim's pajamas) is positive for blood only and Item 4 (victim's bed sheet) is positive for blood and semen. The screening lab is submitting these samples (Items 3 and 4) along with the known blood samples of the victim and the male suspect.

Items Submitted (Sample Pack S2):

Item 1: Known blood from the Victim.

Item 2: Known blood from the Suspect.

Item 3: Questioned blood stain from the victim's pajamas. (light green material)

Item 4: Questioned blood and semen mixture from the victim's bed sheet. (blue patterned material)

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

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

Online Data Entry

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

Please return all pages of this data sheet.

Page 1 of 8

Part I: DNA ANALYSIS

DNA Analysis Instructions:

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

- * Report alleles in numerical order, separated by a comma.
- * Follow your laboratory procedures for reporting homozygotes (i.e. X,X or X).
- * 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). If you wish to indicate minor or weaker alleles, please enclose them within brackets [].

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

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

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

Additional DNA Results

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

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

Please return all pages of this data sheet.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

COfiler®/Profiler Plus® _____ PowerPlex® _____

Identifiler® _____ Other _____

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

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

Yfiler® _____ PowerPlex® Y _____

Other _____

| | | | | | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ITEM | DYS19 | DYS385 | DYS389-I | DYS389-II | DYS390 | DYS391 | DYS392 | DYS393 |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| ITEM | DYS437 | DYS438 | DYS439 | DYS448 | DYS456 | DYS458 | DYS481 | DYS533 |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| ITEM | DYS549 | DYS570 | DYS576 | DYS635 | DYS643 | Y GATA H4 | Y Indel | |
| 2 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

Please return all pages of this data sheet.

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

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

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

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

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

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

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

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="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

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

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

Please return all pages of this data sheet.

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

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

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

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

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

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

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

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

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

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

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

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

Please return all pages of this data sheet.

Part II: DNA INTERPRETATION

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

| <u>Victim (Item 1)</u> | | <u>Suspect (Item 2)</u> | | | |
|------------------------|--------------------------|--------------------------|---------------------|--------------------------|--------------------------|
| | <u>Item 3</u> | <u>Item 4</u> | | <u>Item 3</u> | <u>Item 4</u> |
| Yes | <input type="checkbox"/> | <input type="checkbox"/> | 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 III: ADDITIONAL COMMENTS

Comments regarding any part of this Forensic Biology Test.

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

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

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

| | |
|---|---|
| <p>Return Instructions: Data must be received via online data entry, fax (please include a cover sheet), or mail by <i>May 05, 2014</i> to be included in the report.</p> <p>QUESTIONS? TEL: +1-571-434-1925 (8 am - 4:30 pm EST) EMAIL: forensics@cts-interlab.com www.ctsforensics.com</p> | <p>Participant Code:</p> <p>ONLINE DATA ENTRY: www.cts-portal.com FAX: +1-571-434-1937 or Toll-Free: 1-866-FAX-2CTS (329-2287) MAIL: Collaborative Testing Services, Inc. P.O. Box 650820 Sterling, VA 20165-0820 USA</p> |
|---|---|

Please return all pages of this data sheet.

RELEASE OF DATA TO ACCREDITATION BODIES

The following Accreditation Releases will apply only to:

Participant Code:

WebCode:

for Test No. **14-582: DNA-Semen**

This release page must be completed and received by **May 5, 2014** to have this participant's submitted data included in the reports forwarded to the respective Accreditation Bodies.

ASCLD/LAB RELEASE

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

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

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

Signature _____ Date _____

Laboratory Name _____

Location (City/State) _____

ANSI-ASQ NAB/FQS RELEASE

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

ANSI-ASQ NAB/FQS Certificate No. _____

Signature and Title: _____ Date _____

Laboratory Name _____

Location (City/State) _____

Accreditation Release

Return Instructions

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

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

Please return all pages of this data sheet.

Page 8 of 8