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| --- | --- | --- | --- | --- |
| 1 | **Sample ID:** | 2-87-25422$MAPAC-HS-77 | **ATCC Best Match Cell Name:** | NCI-H920 |
| **Database Best Match Score:** | | 83.33% | **ATCC Best Match Cell Line No:** | CRL-5850 |

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| --- | --- | --- | --- | --- | --- | --- |
| **Methodology:** | Authenticity for all cell lines used in this study was performed using the Promega GenePrint 10 System and following the protocol described in ANSI/ATCC ASN-0002-2011. The STR alleles were searched on the **ATCC** Database. | | | | | |
| **Marker Characterization** | | | | | | |
| **Marker** | | **Allele 1** | **Allele 2** | **Allele 3** | **Allele 4** | **ATCC Best Match Profile** |
| D5S818 | | 12 | 13 |  |  | 13 |
| D13S317 | | 11 | 13 |  |  | 11 |
| D7S820 | | 10 | 11 |  |  | 10,11 |
| D16S539 | | 9 | 11 |  |  | 11,13 |
| vWA | | 17 | 19 |  |  | 19 |
| TH01 | | 6 | 9.3 |  |  | 9.3 |
| AMEL | | X |  |  |  | X |
| TPOX | | 8 | 11 |  |  | 8,11 |
| CSF1PO | | 11 |  |  |  | 12 |
| D21S11 | | 28 |  |  |  |  |

| 1 | **Sample ID:** | 2-87-25422$MAPAC-HS-77 | **Sample's Electropherogram** |
| --- | --- | --- | --- |
| **Marker Raw Data** | | | |
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| 2 | **Sample ID:** | 2-88-25422$MAPAC-HS-77-Cas9 | **COG Best Match Cell Name:** | COG-N-269 |
| **Database Best Match Score:** | | 92.86% | **COG Best Match Cell Line No:** |  |

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| --- | --- | --- | --- | --- | --- | --- |
| **Methodology:** | Authenticity for all cell lines used in this study was performed using the Promega GenePrint 10 System and following the protocol described in ANSI/ATCC ASN-0002-2011. The STR alleles were searched on the **COG** Database. | | | | | |
| **Marker Characterization** | | | | | | |
| **Marker** | | **Allele 1** | **Allele 2** | **Allele 3** | **Allele 4** | **COG Best Match Profile** |
| D5S818 | | 11 | 12 | 13 |  | 11,12 |
| D13S317 | | 11 | 12 | 13 |  | 11,12 |
| D7S820 | | 10 | 11 | 13 |  | 11 |
| D16S539 | | 9 | 11 | 13 |  | 11,13 |
| vWA | | 17 | 19 |  |  | 17 |
| TH01 | | 6 | 9 | 9.3 |  | 9.3,10 |
| AMEL | | X |  |  |  | X |
| TPOX | | 8 | 11 |  |  | 11 |
| CSF1PO | | 10 | 11 |  |  | 10,11 |
| D21S11 | | 28 | 31 |  |  | 29,31.2 |

| 2 | **Sample ID:** | 2-88-25422$MAPAC-HS-77-Cas9 | **Sample's Electropherogram** |
| --- | --- | --- | --- |
| **Marker Raw Data** | | | |
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| --- | --- | --- | --- | --- |
| 3 | **Sample ID:** | 2-89-25422$KP-2 | **ATCC Best Match Cell Name:** | HEK 293S GnTI- |
| **Database Best Match Score:** | | 86.67% | **ATCC Best Match Cell Line No:** | CRL-3022 |

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| --- | --- | --- | --- | --- | --- | --- |
| **Methodology:** | Authenticity for all cell lines used in this study was performed using the Promega GenePrint 10 System and following the protocol described in ANSI/ATCC ASN-0002-2011. The STR alleles were searched on the **ATCC** Database. | | | | | |
| **Marker Characterization** | | | | | | |
| **Marker** | | **Allele 1** | **Allele 2** | **Allele 3** | **Allele 4** | **ATCC Best Match Profile** |
| D5S818 | | 8 | 9 |  |  | 8,9 |
| D13S317 | | 12 |  |  |  | 12,14 |
| D7S820 | | 11 |  |  |  | 11,12 |
| D16S539 | | 9 | 14 |  |  | 9 |
| vWA | | 14 | 16 | 19 |  | 16,19 |
| TH01 | | 7 | 9.3 |  |  | 7,9.3 |
| AMEL | | X |  |  |  | X |
| TPOX | | 11 |  |  |  | 11 |
| CSF1PO | | 11 | 12 |  |  | 11,12 |
| D21S11 | | 28 | 31.2 |  |  |  |

| 3 | **Sample ID:** | 2-89-25422$KP-2 | **Sample's Electropherogram** |
| --- | --- | --- | --- |
| **Marker Raw Data** | | | |
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| --- | --- | --- | --- | --- |
| 4 | **Sample ID:** | 2-90-25422$HPAFII | **ICLC 3 Best Match Cell Name:** | CTSC#METLINF#3 |
| **Database Best Match Score:** | | 75.00% | **ICLC 3 Best Match Cell Line No:** |  |

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| --- | --- | --- | --- | --- | --- | --- |
| **Methodology:** | Authenticity for all cell lines used in this study was performed using the Promega GenePrint 10 System and following the protocol described in ANSI/ATCC ASN-0002-2011. The STR alleles were searched on the **ICLC 3** Database. | | | | | |
| **Marker Characterization** | | | | | | |
| **Marker** | | **Allele 1** | **Allele 2** | **Allele 3** | **Allele 4** | **ICLC 3 Best Match Profile** |
| D5S818 | | 11 | 13 |  |  | 13 |
| D13S317 | | 12 |  |  |  | 12 |
| D7S820 | | 10 | 13 |  |  | 10,11 |
| D16S539 | | 11 | 13 |  |  | 11,13 |
| vWA | | 17 |  |  |  | 17 |
| TH01 | | 9 |  |  |  | 9.3 |
| AMEL | | X |  |  |  | X |
| TPOX | | 8 |  |  |  | 8,11 |
| CSF1PO | | 10 | 11 |  |  | 11 |
| D21S11 | | 31 |  |  |  | 29,32.2 |

| 4 | **Sample ID:** | 2-90-25422$HPAFII | **Sample's Electropherogram** |
| --- | --- | --- | --- |
| **Marker Raw Data** | | | |
|  | | | |

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| --- | --- | --- | --- | --- |
| 5 | **Sample ID:** | 2-91-25422$HPAFII-Cas9 | **ICLC 3 Best Match Cell Name:** | CTSC#METLINF#3 |
| **Database Best Match Score:** | | 75.00% | **ICLC 3 Best Match Cell Line No:** |  |

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| --- | --- | --- | --- | --- | --- | --- |
| **Methodology:** | Authenticity for all cell lines used in this study was performed using the Promega GenePrint 10 System and following the protocol described in ANSI/ATCC ASN-0002-2011. The STR alleles were searched on the **ICLC 3** Database. | | | | | |
| **Marker Characterization** | | | | | | |
| **Marker** | | **Allele 1** | **Allele 2** | **Allele 3** | **Allele 4** | **ICLC 3 Best Match Profile** |
| D5S818 | | 11 | 13 |  |  | 13 |
| D13S317 | | 12 |  |  |  | 12 |
| D7S820 | | 10 | 13 |  |  | 10,11 |
| D16S539 | | 11 | 13 |  |  | 11,13 |
| vWA | | 17 |  |  |  | 17 |
| TH01 | | 9 |  |  |  | 9.3 |
| AMEL | | X |  |  |  | X |
| TPOX | | 8 |  |  |  | 8,11 |
| CSF1PO | | 10 | 11 |  |  | 11 |
| D21S11 | | 31 |  |  |  | 29,32.2 |

| 5 | **Sample ID:** | 2-91-25422$HPAFII-Cas9 | **Sample's Electropherogram** |
| --- | --- | --- | --- |
| **Marker Raw Data** | | | |
|  | | | |

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| --- | --- | --- | --- | --- |
| 6 | **Sample ID:** | 2-92-25422$PATU8988s | **COG Best Match Cell Name:** | TX-OV-098h |
| **Database Best Match Score:** | | 77.78% | **COG Best Match Cell Line No:** |  |

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| --- | --- | --- | --- | --- | --- | --- |
| **Methodology:** | Authenticity for all cell lines used in this study was performed using the Promega GenePrint 10 System and following the protocol described in ANSI/ATCC ASN-0002-2011. The STR alleles were searched on the **COG** Database. | | | | | |
| **Marker Characterization** | | | | | | |
| **Marker** | | **Allele 1** | **Allele 2** | **Allele 3** | **Allele 4** | **COG Best Match Profile** |
| D5S818 | | 11 | 13 |  |  | 13 |
| D13S317 | | 12 | 13 |  |  | 13 |
| D7S820 | | 7 | 8 |  |  |  |
| D16S539 | | 11 | 12 |  |  | 11,12 |
| vWA | | 16 |  |  |  | 17 |
| TH01 | | 6 |  |  |  | 9.3 |
| AMEL | | X |  |  |  | X |
| TPOX | | 8 | 11 |  |  | 8,11 |
| CSF1PO | | 11 | 13 |  |  |  |
| D21S11 | | 26 |  |  |  | 30 |

| 6 | **Sample ID:** | 2-92-25422$PATU8988s | **Sample's Electropherogram** |
| --- | --- | --- | --- |
| **Marker Raw Data** | | | |
|  | | | |

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| --- | --- | --- | --- | --- |
| 7 | **Sample ID:** | 2-93-25422$PATU8988s-Cas9 | **ATCC Best Match Cell Name:** | Hs 566(B).T |
| **Database Best Match Score:** | | 78.57% | **ATCC Best Match Cell Line No:** | CRL-7336 |

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| --- | --- | --- | --- | --- | --- | --- |
| **Methodology:** | Authenticity for all cell lines used in this study was performed using the Promega GenePrint 10 System and following the protocol described in ANSI/ATCC ASN-0002-2011. The STR alleles were searched on the **ATCC** Database. | | | | | |
| **Marker Characterization** | | | | | | |
| **Marker** | | **Allele 1** | **Allele 2** | **Allele 3** | **Allele 4** | **ATCC Best Match Profile** |
| D5S818 | | 11 | 13 |  |  | 9,13 |
| D13S317 | | 12 | 13 |  |  | 12,13 |
| D7S820 | | 7 | 8 |  |  | 8,12 |
| D16S539 | | 11 | 12 |  |  | 12 |
| vWA | | 16 |  |  |  | 16 |
| TH01 | | 6 |  |  |  | 6 |
| AMEL | | X |  |  |  | X |
| TPOX | | 8 | 11 |  |  | 8,11 |
| CSF1PO | | 11 | 13 |  |  | 12,13 |
| D21S11 | | 26 |  |  |  |  |

| 7 | **Sample ID:** | 2-93-25422$PATU8988s-Cas9 | **Sample's Electropherogram** |
| --- | --- | --- | --- |
| **Marker Raw Data** | | | |
|  | | | |