(1) UBIGER

## (1) UBIGENE **STR Authentication Report For Cell Line**

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1. Cell Name: Mino

- 2. Test Method: DNA was extracted using the genome extraction kit (Axygen), amplified using a 21- STR amplification protocol, the STR loci and gender gene Amelogenin were detected on the ABI 3730XL Genetic Analyzer. JUBIGEN
- 3. Sample gene genotype analysis result:

|          | Genotype                                     | e analysis resu | ılts of STR and | Amelogenin l                   | oci in cells |         |
|----------|--|-----------------|-----------------|--------------------------------|--------------|---------|
| STR Loci | STR profile for Sample cell  Cell name: Mino |                 |                 | STR profile for Cell Bank cell |              |         |
|          |  |                 |                 | Cell name: MINO                |              |         |
|          | Allele1                                      | Allele2         | Allele3         | Allele1                        | Allele2      | Allele3 |
| D5S818   | 11   | 12              | JUBIC           | 11                             | 12           |         |
| D13S317  | 12   | 12              |                 | 12                             | 12           | 73-     |
| D7S820   | 10   | 11              |                 | 10                             | 11           | - IBIGE |
| D16S539  | 11   | 12              |                 | 11                             | 12           |         |
| VWA      | 14   | 17              |                 | 14                             | 17           |         |
| TH01     | 9.3  | 9.3             |                 | 9.3                            | 9.3          |         |
| AMEL     | Х  | Υ               |                 | Х                              | Y            |         |
| TPOX     | 8  | 11              | .0              | 8                              | 11           |         |
| CSF1PO   | 9  | 11              | UBIC            | 9                              | 11           |         |
| D12S391  | 18   | 21              |                 |                                |              | -ET     |
| FGA      | 23   | 25              |                 |                                |              | * I BIO |
| D2S1338  | 23   | 23              |                 |                                | (2)          |         |
| D21S11   | 29   | 30              |                 |                                |              |         |
| D18S51   | 12   | 14              |                 |                                |              |         |
| D8S1179  | 11   | 13              |                 |                                |              |         |

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|         |    |      |      |     | ((0) |          |
|---------|----|------|------|-----|------|----------|
| D3S1358 | 18 | 18   |      |     |      |          |
| D6S1043 | 11 | 12   |      |     |      |          |
| PENTAE  | 5  | 17   | . C  | ENE |      |          |
| D19S433 | 15 | 15   | UBIC |     |      |          |
| PENTAD  | 12 | 13   |      |     |      | -E1      |
| D1S1656 | 11 | 15.3 |      |     |      | * I IBIO |

4. Conclusion: The STR results of <u>Mino</u> cells are consistent with the genotypes of <u>Mino</u> cell lines in <u>DSMZ</u> database, the cell ID corresponded to <u>ACC-687</u>, and the STR results <u>completely matched</u>. In the test, <u>No multi allele was found</u> in this cell line.

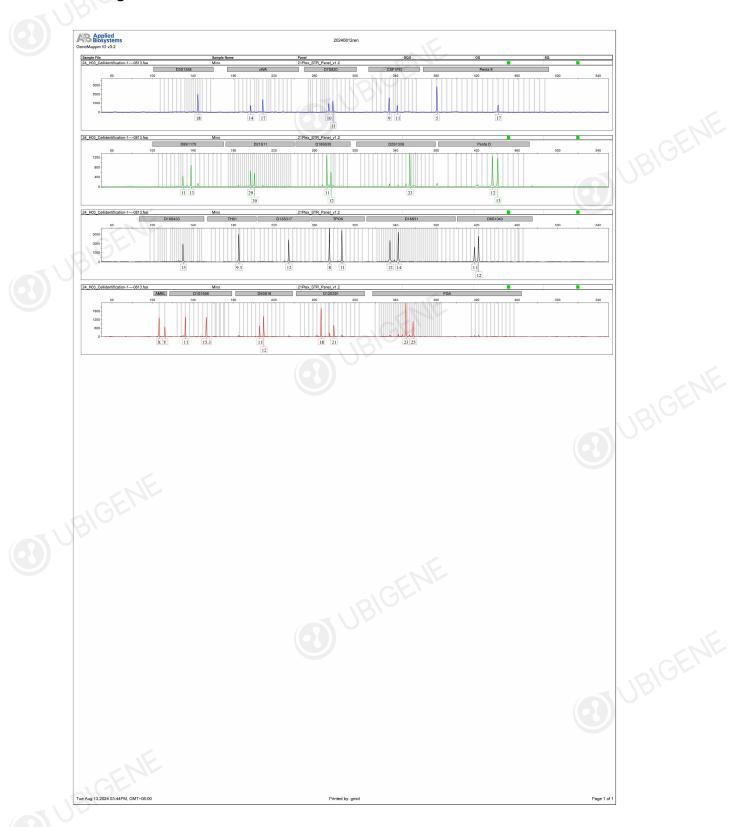
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## 5. Attached Image



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