(1) UBIGER

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

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1. Cell Name: Panc-1

- 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.
- 3. Sample gene genotype analysis result:

| . Sample ge | ene genotype | e analysis resu | ılt: | | | | |
|-------------|--|-----------------|----------------|--|--------------|-----------|--|
| | Genotype | analysis resu | Its of STR and | Amelogenin l | oci in cells | | |
| STR Loci | STR profile for Sample cell Cell name: PANC-1 | | | STR profile for Cell Bank cell Cell name: PANC-1 | | | |
| | | | | | | | |
| | D5S818 | 11 | 13 | JUBIC | 11 | 13 | |
| D13S317 | 11 | 11 | | 11 | 11 | | |
| D7S820 | 8 | 10 | | 8 | 10 | - IBIGE | |
| D16S539 | 11 | 12 | | 11 | 11 | | |
| VWA | 15 | 15 | | 15 | 15 | | |
| TH01 | G 7 | 8 | | 7 | 8 | | |
| AMEL | Х | Х | | Х | Х | | |
| TPOX | 8 | 11 | . C. | 8 | 11 | | |
| CSF1PO | 10 | 12 | UBIL | 10 | 12 | | |
| D12S391 | 22 | 22 | | | | م ت | |
| FGA | 21 | 21 | | | | * I IBIOL | |
| D2S1338 | 23 | 24 | | | | | |
| D21S11 | 28 | 28 | | | | | |
| D18S51 | 12 | 12 | | | | | |
| D8S1179 | 14 | 15 | | | | | |

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| D3S1358 | 17 | 17 | | | |
|---------|----|----|------|-----|--------|
| D6S1043 | 11 | 12 | | | |
| PENTAE | 7 | 14 | . C | ENE | |
| D19S433 | 11 | 16 | UBIC | | |
| PENTAD | 14 | 14 | | | -E1 |
| D1S1656 | 12 | 14 | | | - IBIO |

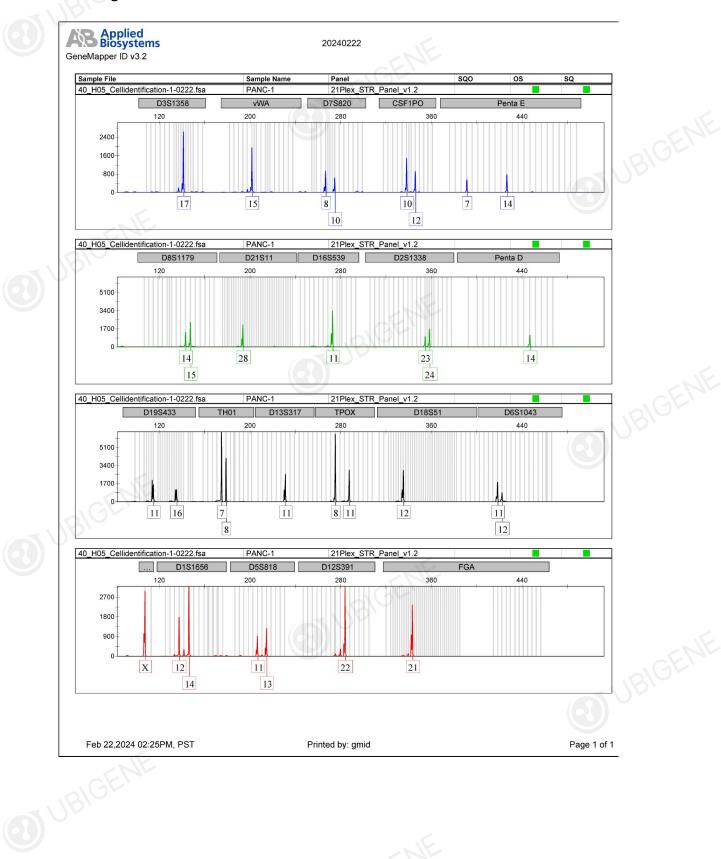
4. Conclusion: The STR results of <u>Panc-1</u> cells are consistent with the genotypes of <u>Panc-1</u> cell lines in <u>DSMZ</u> database, the cell ID corresponded to <u>783</u>, and the STR results <u>completely matched</u>. In the test, <u>No multi allele was found</u> in this cell line.

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5. Attached Image



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