STR Authentication Report For Cell Line

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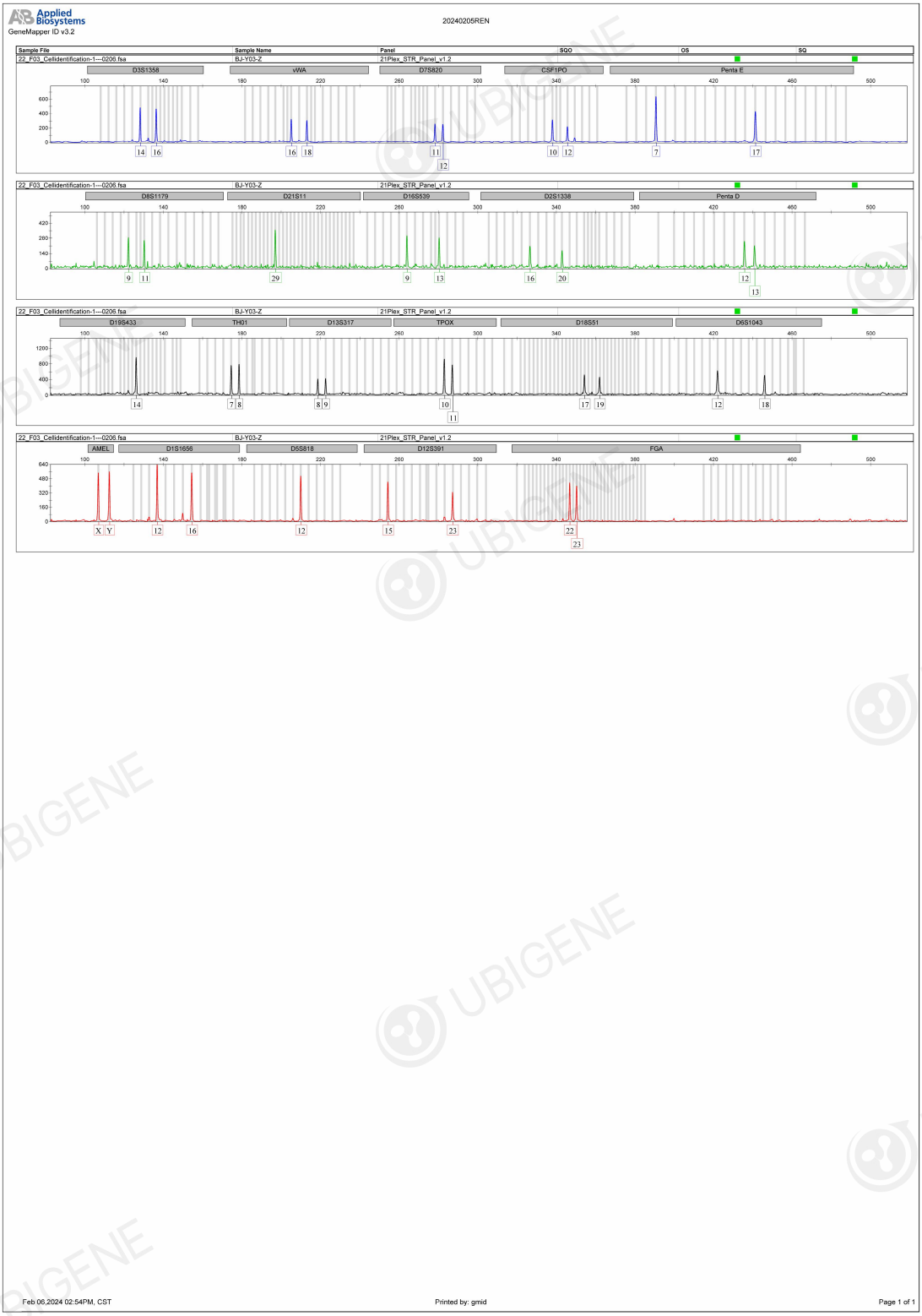
1. Cell Name: BJ

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:

Genotype analysis results of STR and Amelogenin loci in cells						
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell		
	Cell name: BJ-Y03-Z			Cell name: BJ		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	8	9		8	9	
D7S820	11	12		11	12	
D16S539	9	13		9	13	
VWA	16	18		16	18	
TH01	7	8		7	8	
AMEL	X	Y		X	Y	
TPOX	10	11		10	11	
CSF1PO	10	12		10	12	
D12S391	15	23				
FGA	22	23				
D2S1338	16	20				
D21S11	29	29				
D18S51	17	19				
D8S1179	9	11				

D3S1358	14	16				
D6S1043	12	18				
PENTAE	7	17				
D19S433	14	14				
PENTAD	12	13				
D1S1656	12	16				

4. Conclusion: The STR results of **BJ** cells are consistent with the genotypes of **BJ** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-2522** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image