STR Authentication Report For Cell Line

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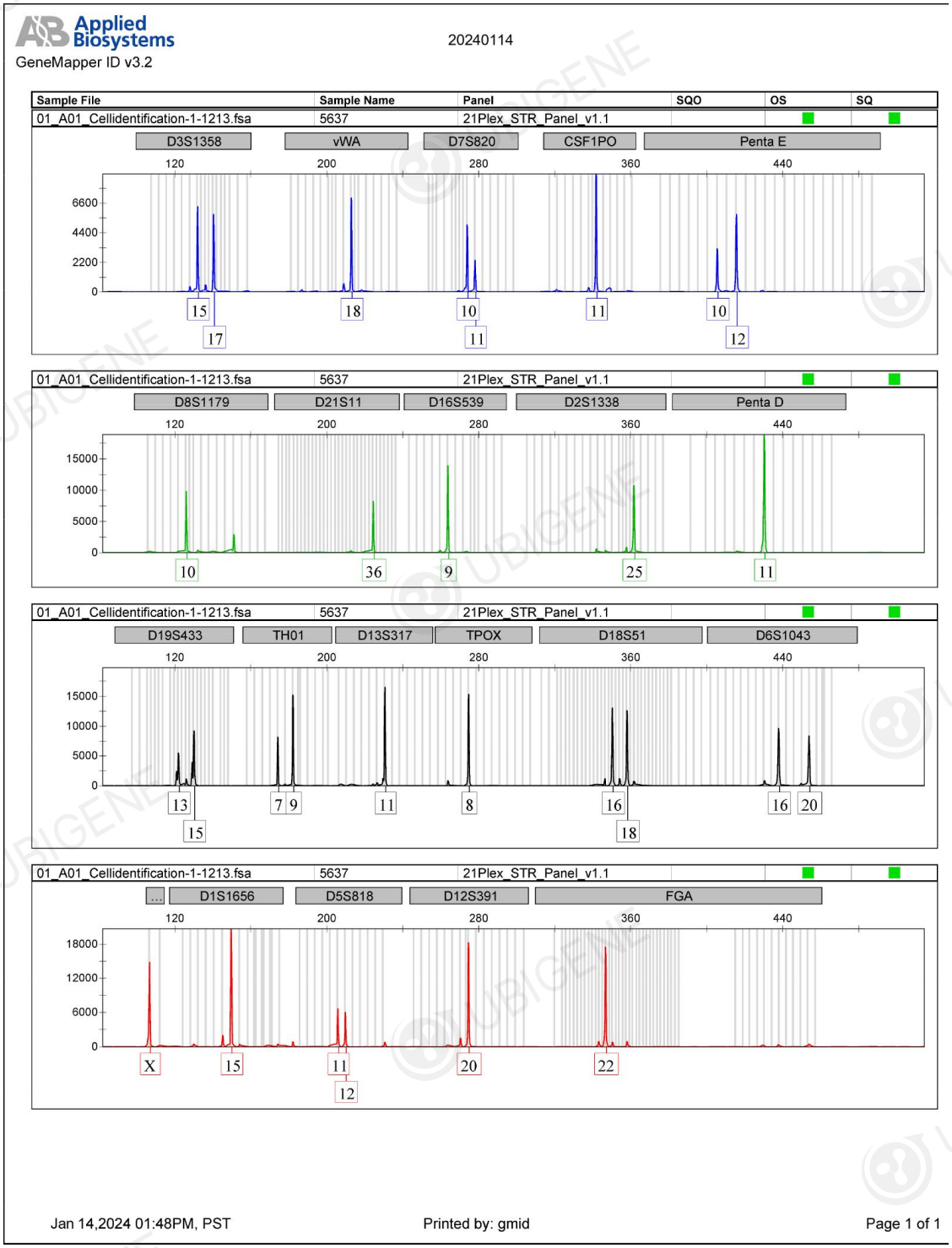
1. Cell Name: 5637

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: 5637			Cell name: 5637		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	11	11		11	11	
D7S820	10	11		10	11	
D16S539	9	9		9	9	
VWA	18	18		18	18	
TH01	7	9		7	9	
AMEL	X	X		X	Y	
TPOX	8	8		8	9	
CSF1PO	11	11		11	11	
D12S391	20	20				
FGA	22	22				
D2S1338	25	25				
D21S11	36	36				
D18S51	16	18				
D8S1179	10	10				

D3S1358	15	17				
D6S1043	16	20				
PENTAE	10	12				
D19S433	13	15				
PENTAD	11	11				
D1S1656	15	15				

4. Conclusion: The STR results of **5637** cells are consistent with the genotypes of **5637** cell lines in **DSMZ** database, the cell ID corresponded to **35** , and the STR results **basically matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image