STR Authentication Report For Cell Line

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1. Cell Name: MuM2B

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: STR25031418			Cell name: MuM-2B		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	11	11		11	11	
D7S820	12	12		12	12	
D16S539	12	12		8	12	
VWA	16	17		16	17	
TH01	8	9.3		8	9.3	
AMEL	X	X		X	X	
TPOX	11	11		11	11	
CSF1PO	10	11		10	11	
D12S391	17	22				
FGA	20	21				
D2S1338	24	25				
D21S11	30	30				
D18S51	15	15				
D8S1179	13	13				

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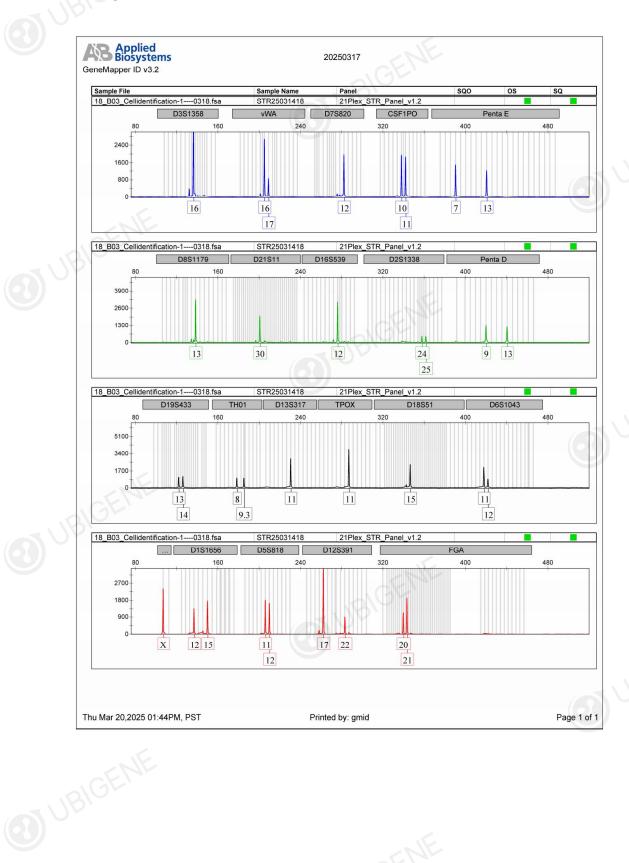| D3S1358	16	16				
D6S1043	11	12				
PENTAE	7	13				
D19S433	13	14				
PENTAD	9	13				
D1S1656	12	15				

4. Conclusion: The STR results of **MuM2B** cells are consistent with the genotypes of **MuM2B** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_3447** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

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5. Attached Image

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