STR Authentication Report For Cell Line

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1. Cell Name: SNU-638

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 profile for Sample cell			STR profile for Cell Bank cell		
STR Loci	Cell name: STR25031411			Cell name: SNU-638		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	10	13	14.0	10	14	
D13S317	10	10		10	10	
D7S820	9	10		9	10	
D16S539	11	13		11	13	
VWA	14	19		14	19	
TH01	7	7		7	7	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	10	12		10	12	
D12S391	16	17	20.0			
FGA	17	27				
D2S1338	18	22				
D21S11	30.2	31				
D18S51	14	16				
D8S1179	11	13				

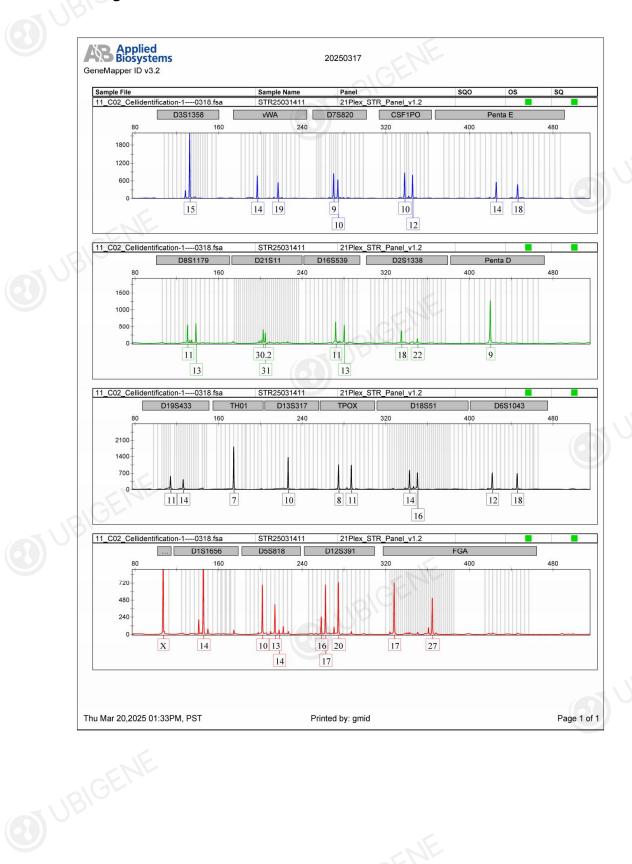| D3S1358	15	15				
D6S1043	12	18				
PENTAE	14	18				
D19S433	11	14				
PENTAD	9	9				
D1S1656	14	14				

4. Conclusion: The STR results of **SNU-638** cells are consistent with the genotypes of **SNU-638** cell lines in **DSMZ** database, the cell ID corresponded to **KCLB-Korea-638** , and the STR results **basically matched**. In the test, **Multi allele was found** in this cell line.

5. Attached Image

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