STR Authentication Report For Cell Line

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1. Cell Name: Hs 683

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: Hs 683			Cell name: Hs-683		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	8	12		8	12	
D7S820	11	11		11	11	
D16S539	9	10		9	10	
VWA	18	20		18	20	
TH01	6	8		6	8	
AMEL	X	Y		X	Y	
TPOX	8	11		8	11	
CSF1PO	9	13		9	13	
D12S391	17	20				
FGA	21.2	22				
D2S1338	18	20				
D21S11	27	33.2				
D18S51	12	14				
D8S1179	12	13				

D3S1358	14	16				
D6S1043	11	12				
PENTAE	13	15				
D19S433	14	14				
PENTAD	13	14				
D1S1656	16	17.3				

4. Conclusion: The STR results of **Hs 683** cells are consistent with the genotypes of **HS 683** cell lines in **DSMZ** database, the cell ID corresponded to **HTB-138** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.
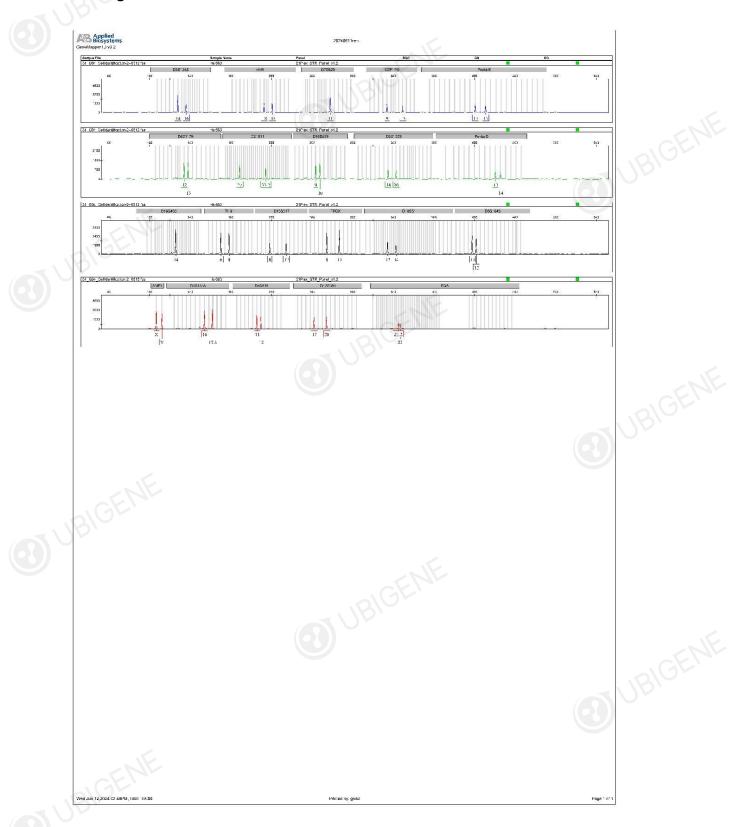
5. Attached Image

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