(1) UBIGER

(1) UBIGENE **STR Authentication Report For Cell Line**

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1. Cell Name: NUGC-3

- 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. JUBIGEN
- 3. Sample gene genotype analysis result:

	Genoty	ype analysis	results of S	TR and Amel	ogenin loci	in cells	7
, <	DIGE S	STR profile fo	or Sample cel	STR profile for Cell Bank cell Cell name: NUGC-3			
STR Loci		Cell name: S	TR25032011				
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
D5S818	11	11		1810.	11	11	
D13S317	10	11			10	11	73-
D7S820	8	9			8	9	IBIGL
D16S539	10	11			10	11	
VWA	18	18			18	18	
TH01	6	8			6	8	
AMEL	Х	Х			Х	Х	
TPOX	8	9		GEN	8	9	
CSF1PO	13	14		7BIO	13	13	
D12S391	19	19					a E I
FGA	17	17					1)BIGS
D2S1338	18	18				(3)	
D21S11	30	31					
D18S51	18	19					
D8S1179	12	13	17.0				

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D3S1358	16	17				
D6S1043	10	11	17.0			
PENTAE	11	18		GEN		
D19S433	12	12		JBIO		
PENTAD	11	11				720
D1S1656	12	13	16.0	17.0		IBIO

4. Conclusion: The STR results of <u>NUGC-3</u> cells are consistent with the genotypes of <u>NUGC-3</u> cell lines in <u>DSMZ</u> database, the cell ID corresponded to <u>JCRB0822</u>, and the STR results <u>basically matched</u>. In the test, <u>Multi allele was found</u> in this cell line.

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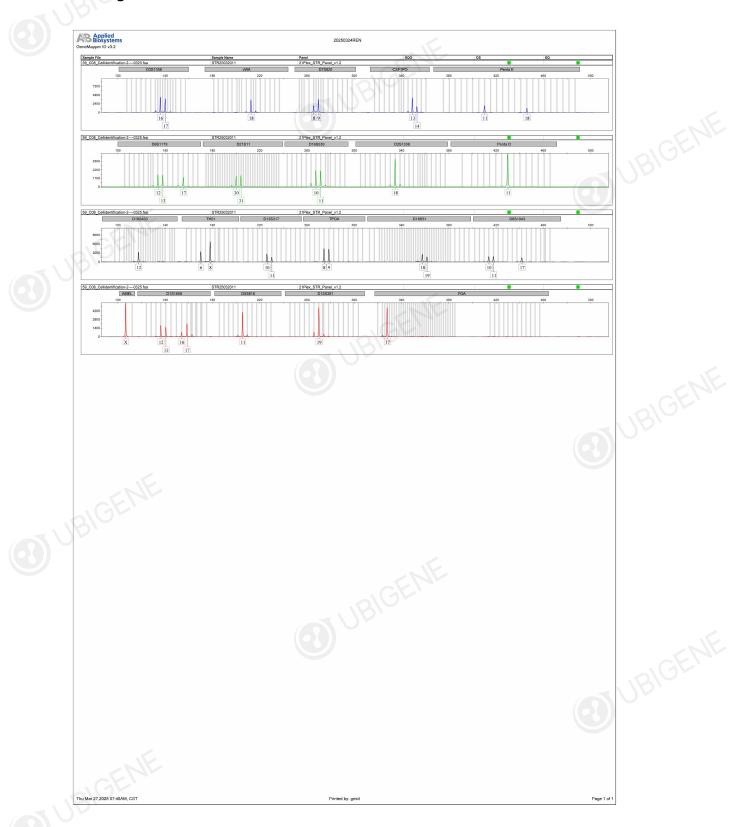
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5. Attached Image



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