(1) UBIGER

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

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1. Cell Name: NUGC4

- 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:

	Genotype	analysis resu	ults of STR and	Amelogenin l	oci in cells	
STR Loci	STR profile for Sample cell  Cell name: STR24091215			STR profile for Cell Bank cell		
				Cell name: NUGC-4		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12	NIBIC	11	12	
D13S317	11	13		11	13	
D7S820	11	11		11	11	- IBIGE
D16S539	9	9		9	9	
VWA	14	18		14	18	
TH01	G 7	9		7	9	
AMEL	Х	Х		Х	Х	
TPOX	8	9		8	9	
CSF1PO	10	11	UBIC	10	11	
D12S391	19	20				aE'
FGA	23	26				NIBION
D2S1338	23	23				
D21S11	31	31				
D18S51	16	19				
D8S1179	12	12				

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D3S1358	15	16			
D6S1043	15	18			
PENTAE	13	15	. C	ENE	
D19S433	13	13.2	UBIC	,	
PENTAD	9	12			-51
D1S1656	12	16			* IBIO

4. Conclusion: The STR results of <u>NUGC4</u> cells are consistent with the genotypes of <u>NUGC4</u> cell lines in <u>ATCC</u> database, the cell ID corresponded to <u>JCRB0834</u>, and the STR results <u>completely matched</u>. In the test, <u>No multi allele was found</u> in this cell line.

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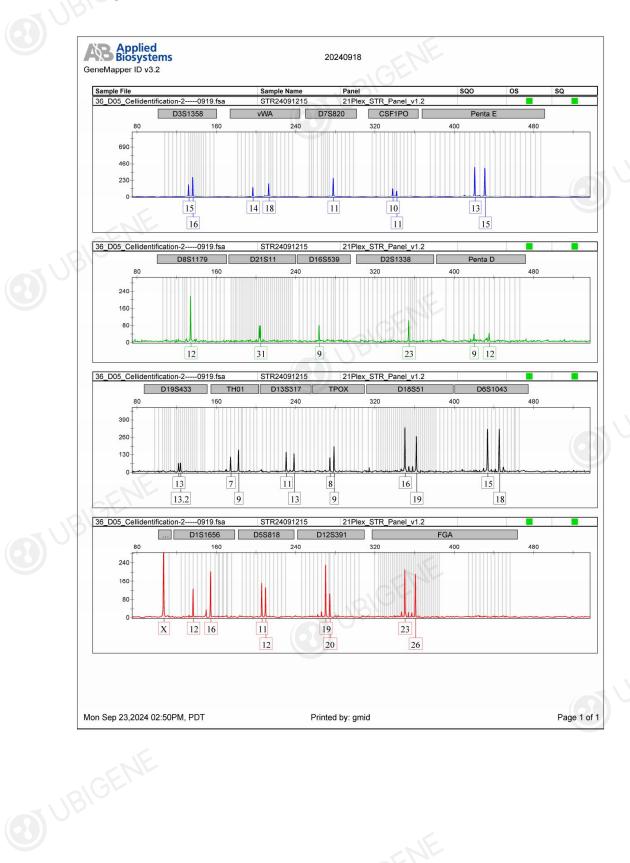
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## 5. Attached Image



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