## STR Authentication Report For Cell Line

(B) UBIGENE

EU Toll free: 800 3272 9252

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.

	Genotype	analysis resu	Its 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			
	D5S818	11	12	- IBIC	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				~E'	
FGA	23	26				IBIGE	
D2S1338	23	23					
D21S11	31	31					
D18S51	16	19					
D8S1179	12	12					
D3S1358	15	16		ENE			
D6S1043	15	18	1810				

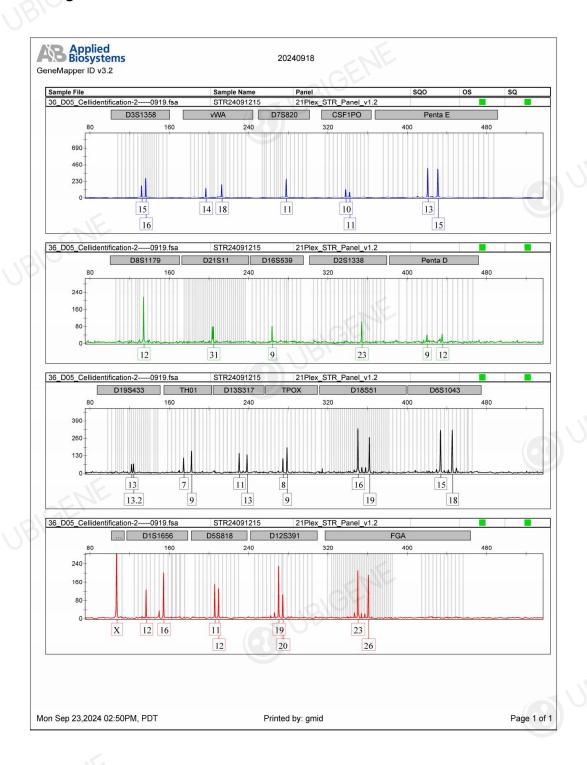
PENTAE	13	15			(	
D19S433	13	13.2				
PENTAD	9	12		ENE		
D1S1656	12	16	JUBIC			

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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## 5. Attached Image



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