(1) UBIGER

STR Authentication Report For Cell Line

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1. Cell Name: NB4

- 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	e analysis resu	ılts of STR and	Amelogenin l	loci in cells	
STR Loci	STR profile for Sample cell Cell name: NB4-YCAS9			STR profile for Cell Bank cell		
				Cell name: NB-4		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	13	13	UBIC	13	13	
D13S317	11	12		11	12	
D7S820	10	13	14.0	10	13	- IBIGE
D16S539	9	9		9	9	
VWA	16	19		16	19	
TH01	7	9.3		7	9.3	
AMEL	Х	Х		Х	Х	
TPOX	8	11	.0	8	11	
CSF1PO	11	12	UBIL	11	12	
D12S391	19	22				Œ!
FGA	20	21	22.0			* I IBIO
D2S1338	20	23	25.0		(2)	
D21S11	28	33.2				
D18S51	12	14				
D8S1179	10	14				

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D3S1358	15	17			
D6S1043	12	12			
PENTAE	7	13	. C	ENE	
D19S433	15	15	UBIC		
PENTAD	10	13			a E l
D1S1656	12	15			* IBIO

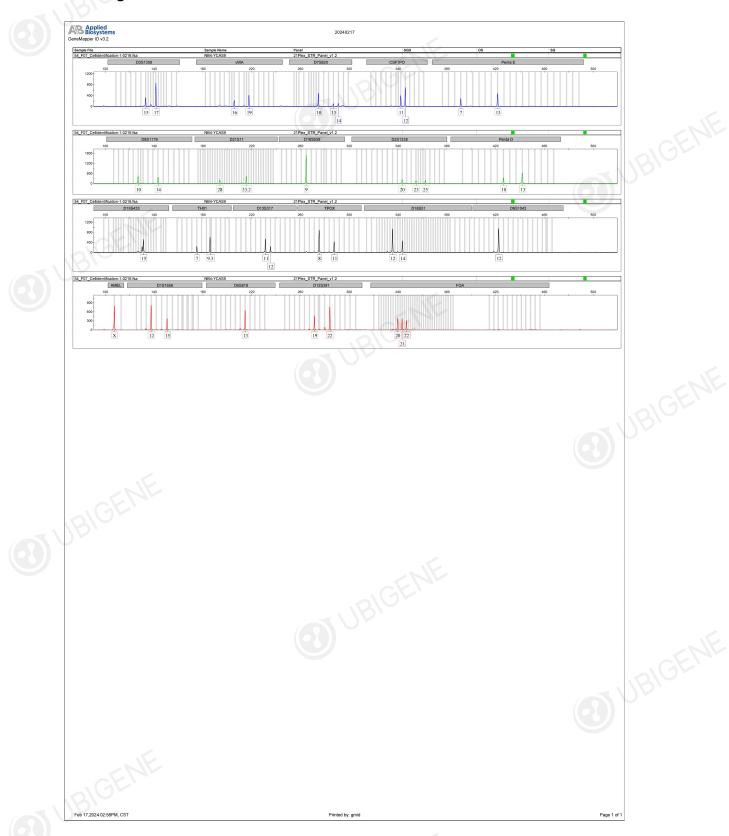
4. Conclusion: The STR results of <u>NB4</u> cells are consistent with the genotypes of <u>NB4</u> cell lines in <u>DSMZ</u> database, the cell ID corresponded to <u>207</u>, and the STR results <u>basically</u> <u>matched</u>. In the test, <u>Multi allele was found</u> in this cell line.

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5. Attached Image



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