(1) UBIGER

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

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1. Cell Name: HCC-44

- 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: STR25032003			STR profile for Cell Bank cell Cell name: HCC-44			
	D5S818	11	13	JUBIC	11	13	
D13S317	11	11		11	11		
D7S820	8	10		8	10	- IBIGE	
D16S539	9	13		9	13		
VWA	15	15		15	15		
TH01	9	9		9	9		
AMEL	Х	Х		Х	Х		
ТРОХ	8	12	. C	8	12		
CSF1PO	9	11	NBIC	9	11		
D12S391	20	20				م	
FGA	24	24				NIBION	
D2S1338	17	24					
D21S11	28	32.2					
D18S51	17	17					
D8S1179	14	15					

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D3S1358	14	15			
D6S1043	12	12			
PENTAE	10	12	. C	ENE	
D19S433	14	16	UBIC		
PENTAD	12	12			aET
D1S1656	16	16			* IBIO

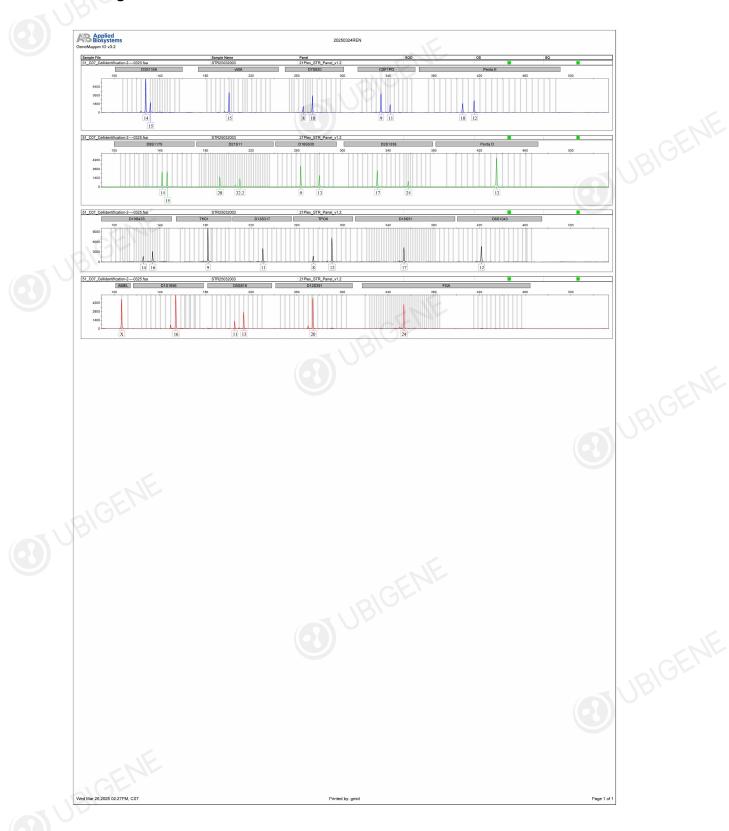
4. Conclusion: The STR results of <u>HCC-44</u> cells are consistent with the genotypes of <u>HCC-44</u> cell lines in <u>DSMZ</u> database, the cell ID corresponded to <u>ACC-534</u>, and the STR results <u>completely matched</u>. In the test, <u>No multi allele was found</u> in this cell line.

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## 5. Attached Image



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