(1) UBIGER

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

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1. Cell Name: DMS 53

- 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	e analysis resu	ults of STR and	Amelogenin l	loci in cells		
STR Loci	STR profile for Sample cell Cell name: DMS 53			STR profile for Cell Bank cell Cell name: DMS-53			
	D5S818	10	11	NBIC	10	11	
D13S317	10	10		10	10		
D7S820	8	11		8	11	- IBIGE	
D16S539	12	13		12	13		
VWA	15	17		15	17		
TH01	8	9.3		8	9.3		
AMEL	Х	Х		Х	Х		
TPOX	12	12		12	12		
CSF1PO	12	12	ANBIG	12	12		
D12S391	19	23				a E	
FGA	20	20				* 1)Blos	
D2S1338	25	25			(3)		
D21S11	33.2	33.2					
D18S51	15	16					
D8S1179	12	12					

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D3S1358	15	15			
D6S1043	11	12			
PENTAE	13	13		ENE	
D19S433	13	13	UBIC		
PENTAD	10	10			-E1
D1S1656	14	14			- IBIO

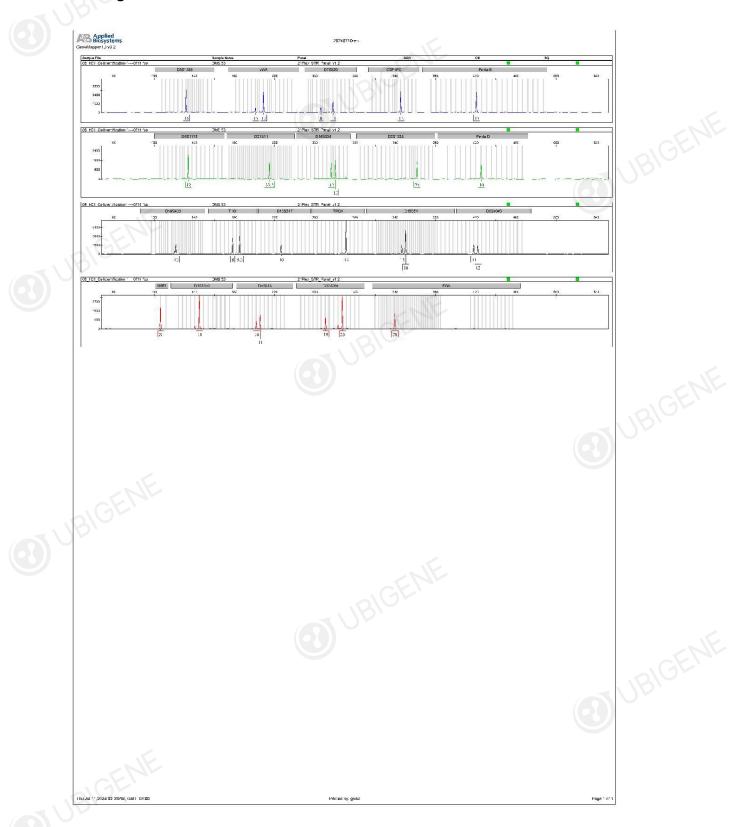
4. Conclusion: The STR results of <u>DMS 53</u> cells are consistent with the genotypes of <u>DMS</u> <u>53</u> cell lines in <u>DSMZ</u> database, the cell ID corresponded to <u>CRL-2062</u>, and the STR results <u>completely matched</u>. In the test, <u>No multi allele was found</u> in this cell line.

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5. Attached Image



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