(1) UBIGER

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

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1. Cell Name: SU-DHL-4

- 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:

. Sample ge	ene genotype	e analysis resu	ılt:				
	Genotype	analysis resu	Its of STR and	Amelogenin l	oci in cells		
STR Loci	STR profile for Sample cell Cell name: STR25022012			STR profile for Cell Bank cell Cell name: SU-DHL-4			
	D5S818	11	12	JUBIC	11	12	
D13S317	11	12		11	12		
D7S820	8	11		8	11	- IBIGE	
D16S539	11	13		11	13		
VWA	18	19		18	19		
TH01	6	9.3		6	9.3		
AMEL	Х	Υ		Х	Y		
TPOX	9	11		9	11		
CSF1PO	12	12	JUBIL	12	12		
D12S391	18	20					
FGA	19	21				* I IBIO	
D2S1338	17	19					
D21S11	29	30					
D18S51	14	16					
D8S1179	13	13					

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D3S1358	15	16			
D6S1043	11	11			
PENTAE	7	11	. C	ENE	
D19S433	14	15.2	UBIC		
PENTAD	9	14			-E1
D1S1656	15	18.3			* IBIO

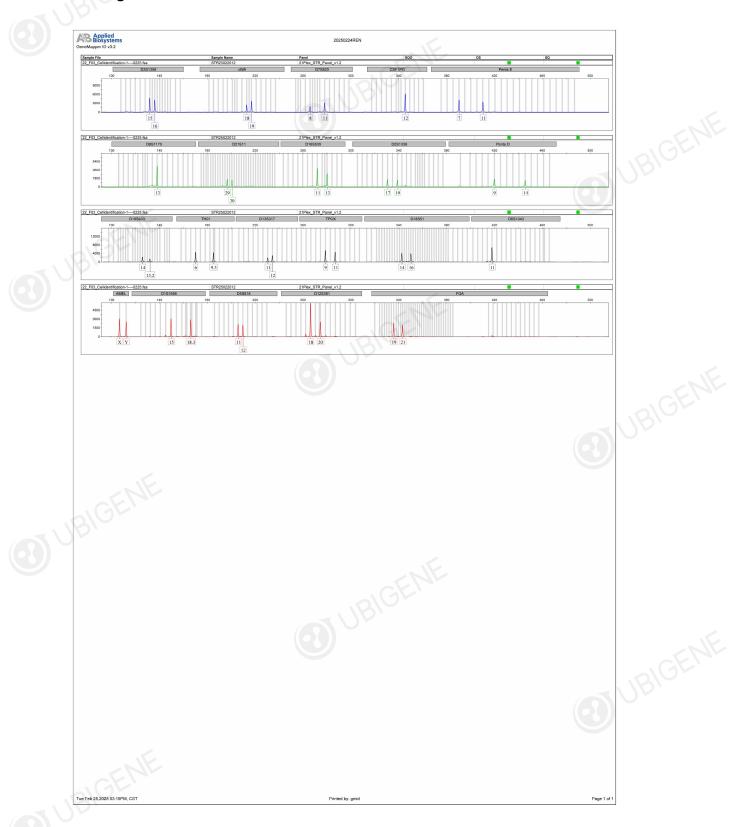
4. Conclusion: The STR results of <u>SU-DHL-4</u> cells are consistent with the genotypes of <u>SU-DHL-4</u> cell lines in <u>DSMZ</u> database, the cell ID corresponded to <u>ACC-495</u>, and the STR results <u>completely matched</u>. In the test, <u>No multi allele was found</u> in this cell line.

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5. Attached Image



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