(1) UBIGER

STR Authentication Report For Cell Line

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1. Cell Name: MDA-MB-415

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.

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	Genotype analysis results of STR and						
STR Loci	STR profile for Sample cell Cell name: MDA-MB-415			STR profile for Cell Bank cell			
	1			Cell name: MDA-MB-415			
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3	
D5S818	11	13	UBI	11	13		
D13S317	11	13		11	13		
D7S820	9	10		9	10	, IBIGI	
D16S539	13	13		13	13		
VWA	17	17		17	17		
TH01	G 7	9.3		7	9.3		
AMEL	Х	Х		Х	Х		
TPOX	8	8		8	8		
CSF1PO	10	12	UBI	10	12		
D12S391	19	23					
FGA	22	22				I IBIO,	
D2S1338	19	19			(0)		
D21S11	27	28					
D18S51	13	13					
D8S1179	8	12					

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D3S1358	17	17			
D6S1043	10	12			
PENTAE	7	16		ENE	
D19S433	13	13.2	UBIC		
PENTAD	9	10			-E1
D1S1656	16	18.3			* I IBIO

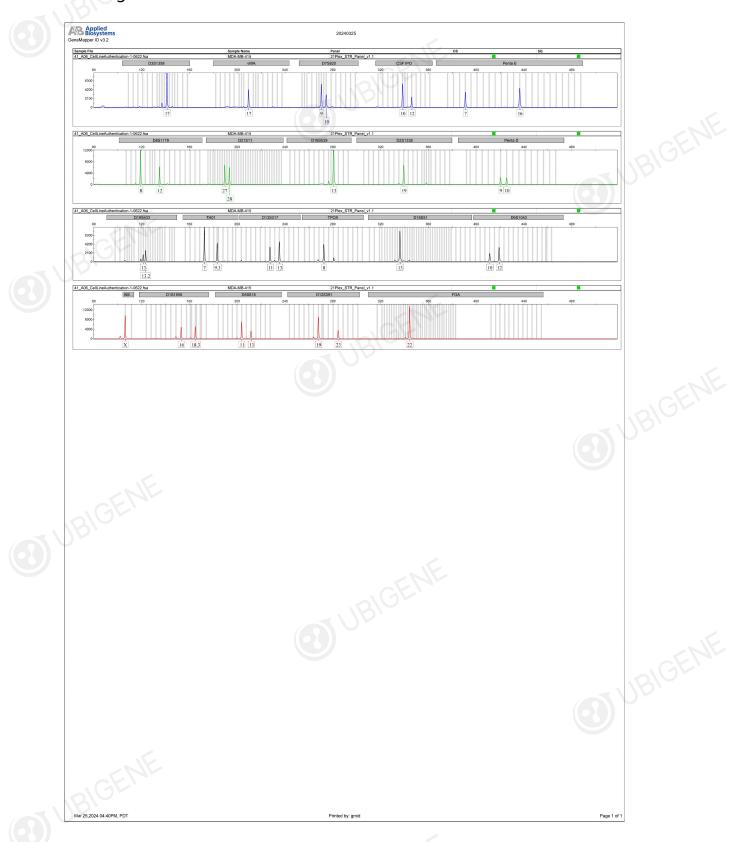
4. Conclusion: The STR results of <u>MDA-MB-415</u> cells are consistent with the genotypes of <u>MDA-MB-415</u> cell lines in <u>DSMZ</u> database, the cell ID corresponded to <u>HTB-128</u>, and the STR results <u>completely matched</u>. In the test, <u>No multi allele was found</u> in this cell line.

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5. Attached Image



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