STR Authentication Report For Cell Line

(B) UBIGENE

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1. Cell Name: ACT-1

- 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	analysis resu	llts of STR and	Amelogenin l	oci in cells		
STR profile for Sample cell			STR profile for Cell Bank cell			
Cell name: STR25031415			Cell name: ACT-1 [Human thyroid carcinoma]			
Allele1	Allele2	Allele3	Allele1	Allele2	Allele3	
11	13		11	13		
10	12		10	12	, RIGE!	
10	11		10	11		
9	11		9	11		
17	18		17	18		
6	9		6	9		
Х	Х		X	Х		
8	8	- IBIC	8	8		
11	12		11	12		
18	20				, IBIGE,	
23	24			(-)		
19	22					
30	31					
15	16					
11	14		-NE			
16	16	1810				
	Genotype STR p Cell Allele1 11 10 10 9 17 6 X 8 11 18 23 19 30 15 11	Genotype analysis result STR profile for Sam Cell name: STR250 Allele1 Allele2 11 13 10 12 10 11 9 11 17 18 6 9 X X 8 8 11 12 18 20 23 24 19 22 30 31 15 16 11 14	STR profile for Sample cell Cell name: STR25031415 Allele1 Allele2 Allele3 11 13 10 12 10 11 9 11 17 18 6 9 X X 8 8 11 12 18 20 23 24 19 22 30 31 15 16 11 14	Genotype analysis results of STR and Amelogenin I STR profile for Sample cell Cell name: STR25031415 Allele1 Allele2 Allele3 Allele1 11 13 10 12 10 10 11 10 9 11 17 18 6 9 6 X X X 8 8 11 12 11 18 20 23 24 19 22 30 31 15 16 11 14	Genotype analysis results of STR and Amelogenin loci in cells STR profile for Sample cell STR profile for Cell Base Cell name: ACT-1 [Human carcinoma] Allele1 Allele2 Allele3 Allele1 Allele2 11 13 11 13 10 12 10 12 10 11 10 11 9 11 9 11 17 18 17 18 6 9 6 9 X X X X 8 8 8 8 11 12 11 12 18 20 23 24 19 22 30 31 15 16 11 14	

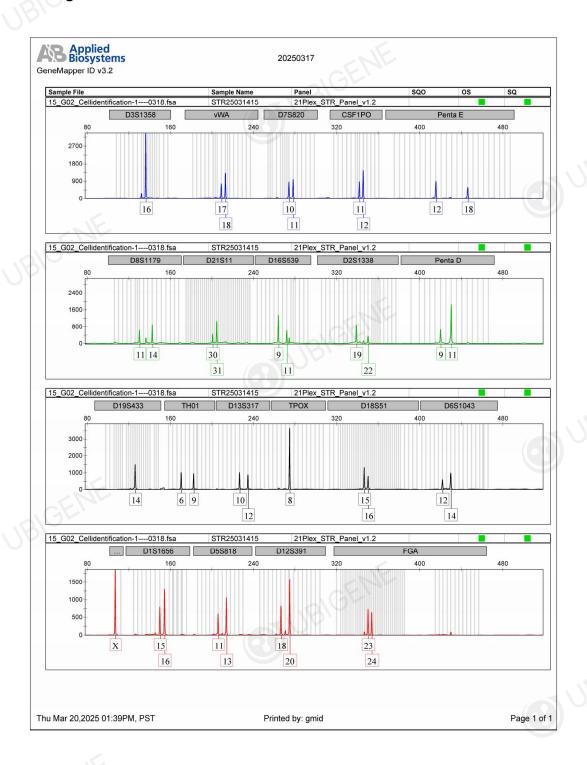
D6S1043	12	14			(6)	
PENTAE	12	18				
D19S433	14	14		ENE		
PENTAD	9	11	JUBIC			
D1S1656	15	16				-51

4. Conclusion: The STR results of <u>ACT-1</u> cells are consistent with the genotypes of <u>ACT-1</u> [<u>Human thyroid carcinoma</u>] cell lines in <u>EXPASY</u> database, the cell ID corresponded to <u>CVCL_6291</u>, and the STR results <u>completely matched</u>. In the test, <u>No multi allele was</u> found in this cell line.

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5. Attached Image



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