Online Inquiry

STR Authentication Report For Cell Line

Tel: +86 153 6067 3248(Int'l)
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1. Cell Name: HCC1954

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 results of STR and Amelogenin loci in cells						
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell		
	Cell name: STR25031424			Cell name: HCC1954		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	11		11	11	
D13S317	8	9		8	9	
D7S820	10	11		10	11	
D16S539	9	11		9	11	
VWA	18	19		18	19	
TH01	6	7		6	7	
AMEL	X	X		X	X	
TPOX	8	9		8	9	
CSF1PO	10	10		10	10	
D12S391	22	22				
FGA	22	23				
D2S1338	17	26				
D21S11	28	32.2				
D18S51	14	18				
D8S1179	12	15				

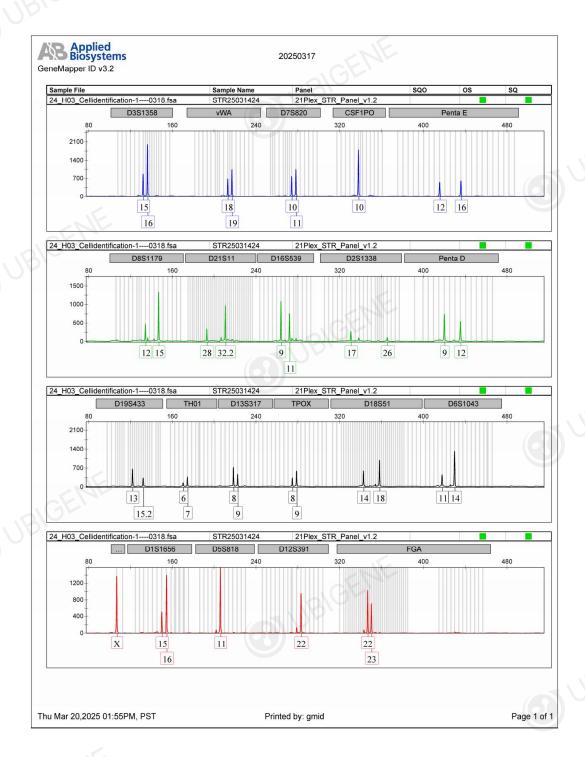| D3S1358	15	16				
D6S1043	11	14				
PENTAE	12	16				
D19S433	13	15.2				
PENTAD	9	12				
D1S1656	15	16				

4. Conclusion: The STR results of **HCC1954** cells are consistent with the genotypes of **HCC1954** cell lines in **DSMZ** database, the cell ID corresponded to **CRL-2338** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

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5. Attached Image

AB Applied Biosystems

20250317

GeneMapper ID v3.2

Sample File	Sample Name	Panel	SQO	OS	SQ
24_H03_Cellidentification-1----0318.fsa	STR25031424	21Plex_STR_Panel_v1.2			

D3S1358   vWA   D7S820   CSF1PO   Penta E

80   160   240   320   400   480

2100
1400
700
0

15   18   10   10   12   16
16   19   11

| 24_H03_Cellidentification-1----0318.fsa | STR25031424 | 21Plex_STR_Panel_v1.2 |

D8S1179   D21S11   D16S539   D2S1338   Penta D

80   160   240   320   400   480

1500
1000
500
0

12 15   28 32.2   9   17   26   9 12
11

| 24_H03_Cellidentification-1----0318.fsa | STR25031424 | 21Plex_STR_Panel_v1.2 |

D19S433   TH01   D13S317   TPOX   D18S51   D6S1043

80   160   240   320   400   480

2100
1400
700
0

13   6   8   8   14 18   11 14
15.2   7   9   9

| 24_H03_Cellidentification-1----0318.fsa | STR25031424 | 21Plex_STR_Panel_v1.2 |

...   D1S1656   D5S818   D12S391   FGA

80   160   240   320   400   480

1200
800
400
0

X   15   11   22   22
16   23

Thu Mar 20,2025 01:55PM, PST   Printed by: gmid   Page 1 of 1