(1) UBIGER

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

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Online Inquiry

1. Cell Name: KYSE-410

- 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 analysis results of STR and Amelogenin loci in cells								
.0	STR profile for Sample cell Cell name: STR25031431			STR profile for Cell Bank cell Cell name: KYSE-410				
STR Loci								
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3		
D5S818	13	13	- UBIC	13	13			
D13S317	11	11		11	11			
D7S820	12	12		12	12	IBIGE		
D16S539	10	12		10	12			
VWA	16	18		16	18			
TH01	8	8		8	8			
AMEL	X	Х		Х	Х			
TPOX	8	11	. C	8	11			
CSF1PO	12	12	NBIG	12	12			
D12S391	17	19				~C'		
FGA	20	20				IBIO		
D2S1338	17	19			(9)			
D21S11	30	30						
D18S51	13	15						
D8S1179	10	10						

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D3S1358	15	16			
D6S1043	13	15			
PENTAE	8	12	. C	ENE	
D19S433	13	13	UBIC		
PENTAD	11	11			-51
D1S1656	13	15			NBIG

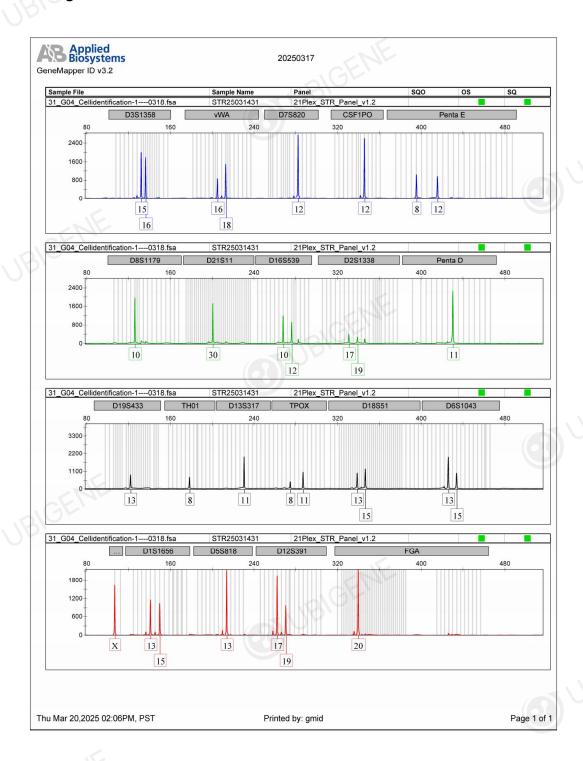
4. Conclusion: The STR results of <u>KYSE-410</u> cells are consistent with the genotypes of <u>KYSE-410</u> cell lines in <u>ATCC</u> database, the cell ID corresponded to <u>ACC-381</u>, and the STR results <u>completely matched</u>. In the test, <u>No multi allele was found</u> in this cell line.

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## 5. Attached Image



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