STR Authentication Report For Cell Line

(B) UBIGENE

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1. Cell Name: RenCa

- 2. Test Method: DNA was extracted using the genome extraction kit (Axygen), amplified using a 20- STR amplification protocol, the STR loci and gender gene Amelogenin were detected on the ABI 3730XL Genetic Analyzer.
- 3. Sample gene genotype analysis result:

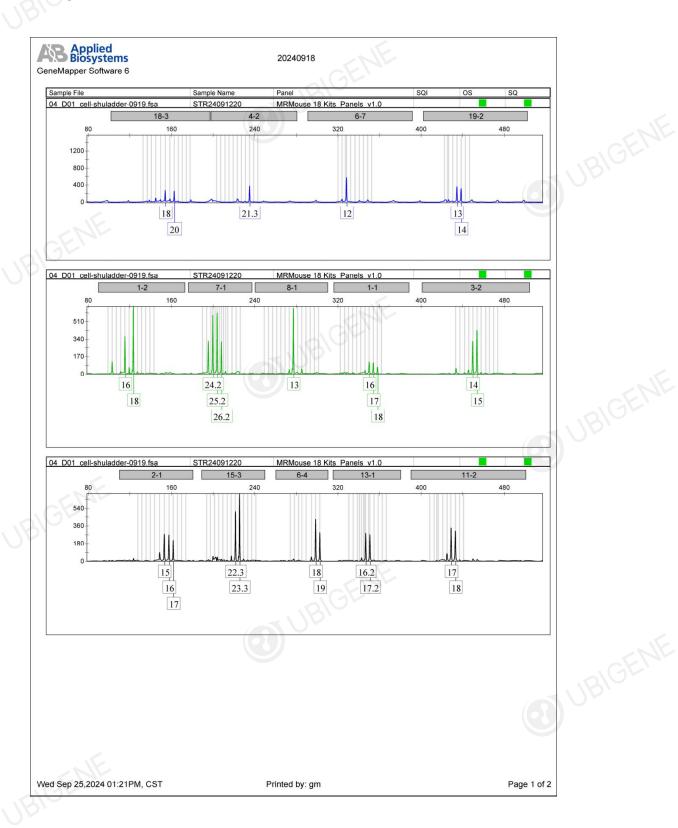
	Ger	otype anal	ysis results	s of STR an	d Ameloge	nin loci in	cells	
	SIGER	STR pro	ofile for San	STR profile for Cell Bank cell				
STR Loci	20.	Cell na	me: STR24	Cell name: RenCa				
	Allele1	Allele2	Allele3	Allele4	Allele5	Allele1	Allele2	Allele3
18-3	18.0	20.0		-1181	9	18.0	20.0	
4-2	21.3			33)		21.3		
6-7	12.0					12.0		BIGE
19-2	13.0	14.0				13.0	14.0	0
1-2	16.0	18.0				16.0	18.0	
7-1	24.2	25.2	26.2			23.2	25.2	
8-1	13.0					13.0		
1-1	16.0	17.0	18.0		ENE	16.0	17.0	18.0
3-2	14.0	15.0		JUBI		14.0	15.0	
2-1	15.0	16.0	17.0			15.0	16.0	17.0
15-3	22.3	23.3				22.3	23.3	IBIG
6-4	18.0	19.0				18.0	19.0	
13-1	16.2	17.2				16.2	17.2	
11-2	17.0	18.0				17.0	18.0	
17-2	15.0	17.0				15.0	17.0	
12-1	16.0				CNE	16.0		
5-5	14.0	15.0		-11Bl	0	14.0	15.0	

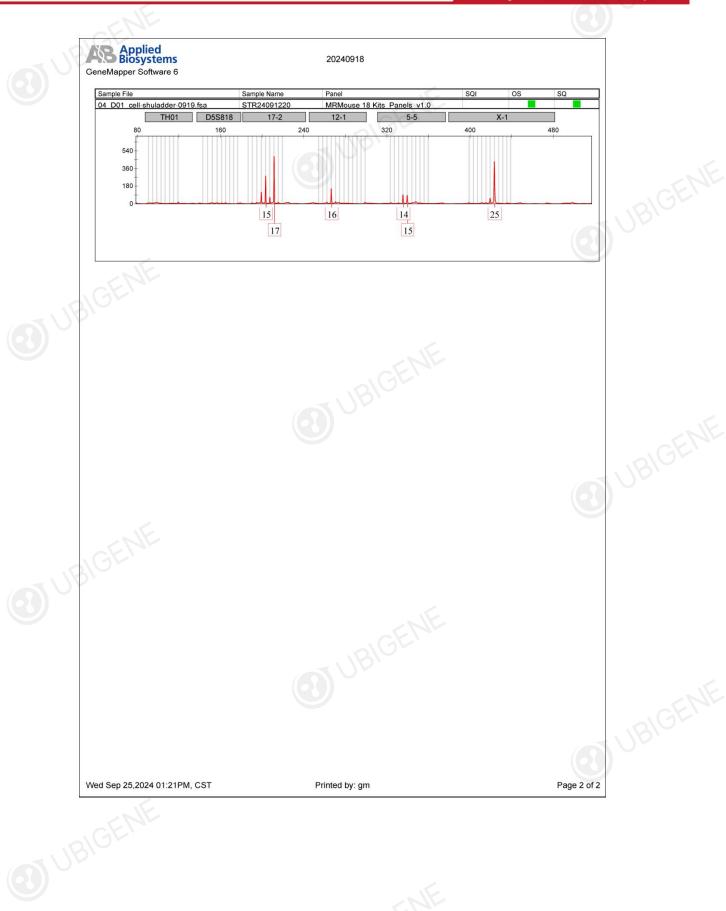
X-1	25.0			25.0	
TH01	50.				
D5S818			ENE		

Note: The cell lines were compared with the STR data of cell lines from ATCC, DSMZ, JCRB and RIKEN databases, the cell lines not included in the above cell banks could not be matched. D4S2408 and TH01 in the above sites is a human site, which is used to detect whether the cell is contaminated by human sources.

4. Conclusion: This cell line is identified as a mouse cell line. The STR results of **RenCa** cells are consistent with the genotypes of **RenCa** cell lines in **EXPASY** database, the cell ID corresponded to **CVCL_2174**, and the STR results **basically matched**. In the test, **No multi allele was found in this cell line, and there was no human source contamination** in this cell line.

5. Attached Image





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