

## STR Authentication Report For Cell Line

O) UBIGENE

1. Cell Name: AE-2

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

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Genotype analysis results of STR and STR profile for Sample cell					STR profile for Cell Bank cell				
STR Loci	Cell name: STR25031433				Cell name: AChE AE-2				
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3	Allele4	
18-3	17.0	18.0	19.0	20.0	17.0	18.0	19.0	20.0	
4-2	21.3	23.3		3	21.3	23.3			
6-7	12.0				12.0			BIGE	
19-2	12.0	13.0			12.0	13.0		04	
1-2	17.0	18.0			17.0	18.0			
7-1	25.2	28.0	29.0		25.2	28.0	29.0		
8-1	13.0				13.0				
1-1	16.0	17.0	18.0		15.0	16.0	17.0	18.0	
3-2	13.0			UBI	13.0				
2-1	16.0	17.0		8	16.0	17.0		-F	
15-3	21.3	23.3			21.3	23.3		BIOL	
6-4	18.0	19.0	20.0		18.0	19.0	20.0	0	
13-1	15.2	16.2			15.2	16.2	17.2		
11-2	17.0	18.0			16.0	17.0	18.0		
17-2	15.0	16.0	17.0		15.0	16.0	17.0		
12-1	16.0	17.0			16.0	17.0			
5-5	13.0	14.0		BI	13.0	14.0			

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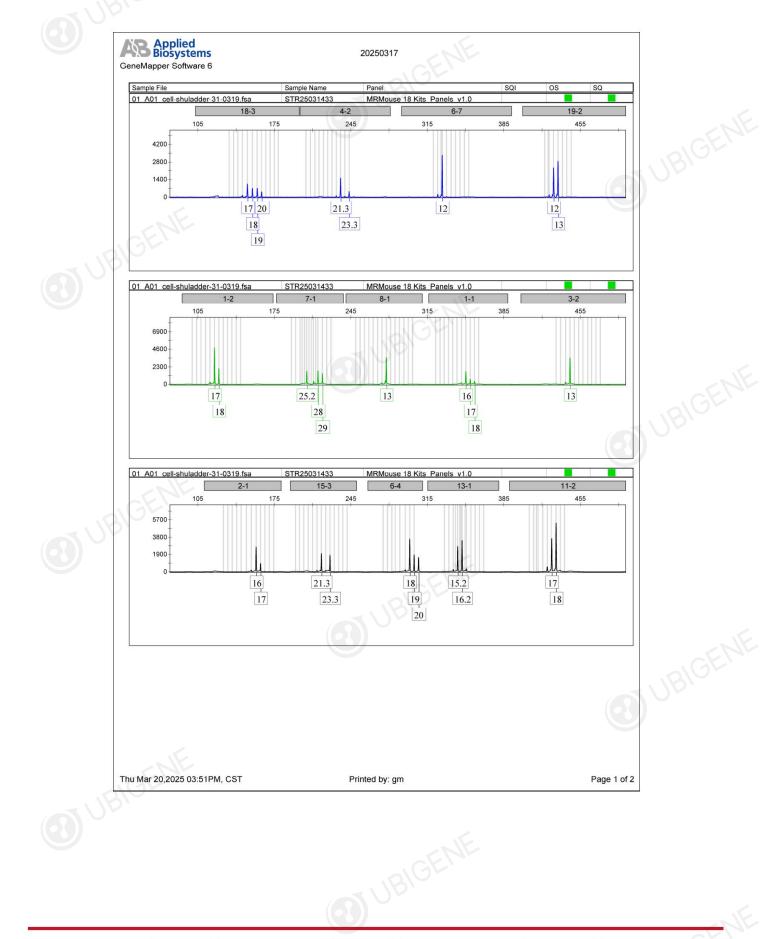
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X-1	25.0		25.0		
TH01	)O.				
D5S818			ENE		

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 <u>AE-2</u> cells are consistent with the genotypes of <u>AE-2</u> cell lines in <u>EXPASY</u> database, the cell ID corresponded to <u>CVCL\_4501</u>, and the STR results <u>basically matched</u>. In the test, <u>Multi allele was found</u> in this cell line.

## 5. Attached Image



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