(1) UBIGER

STR Authentication Report For Cell Line

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1. Cell Name: P3/NSI/1-Ag4-1 [NS-1]

- 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. JUBIGEN
- 3. Sample gene genotype analysis result:

	Genoty	ype analysis	results of S	TR and Ame	logenin loci	in cells	
	STR profile for Sample cell Cell name: STR25012021				STR profile for Cell Bank cell		
STR Loci					Cell name: P3/NSI/1-Ag4-1 [NS-1]		
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
18-3	19.0	20.0		1BIO.	19.0	20.0	
4-2	20.3	21.3	22.3		20.3	21.3	22.3
6-7	12.0				12.0		'IBIGE
19-2	13.0				13.0		
1-2	17.0				17.0		
7-1	25.2	26.2	29.2		25.2	26.2	29.2
8-1	13.0				13.0		
1-1	16.0	18.0		GEN	15.0	16.0	18.0
3-2	13.0	14.0		1810	13.0	14.0	
2-1	15.0	16.0	17.0		15.0	16.0	17.0
15-3	22.3				22.3	23.3	IBIO
6-4	17.0	18.0			17.0	18.0	
13-1	16.2				16.2		
11-2	17.0	18.0			17.0	18.0	
17-2	16.0	17.0			16.0	17.0	

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Gene-editing cell lines	• CDISDD screen	 EZ-editor™ series product 	e.
• Gene-editing cell lines	• Chiarn scieeli	• cz-editor series product	E

12-1	15.0	16.0	17.0		15.0	16.0	17.0
5-5	13.0	14.0	15.0		13.0	14.0	15.0
X-1	25.0	26.0		GEN	25.0	26.0	
TH01				JBIO			
D5S818							(E)

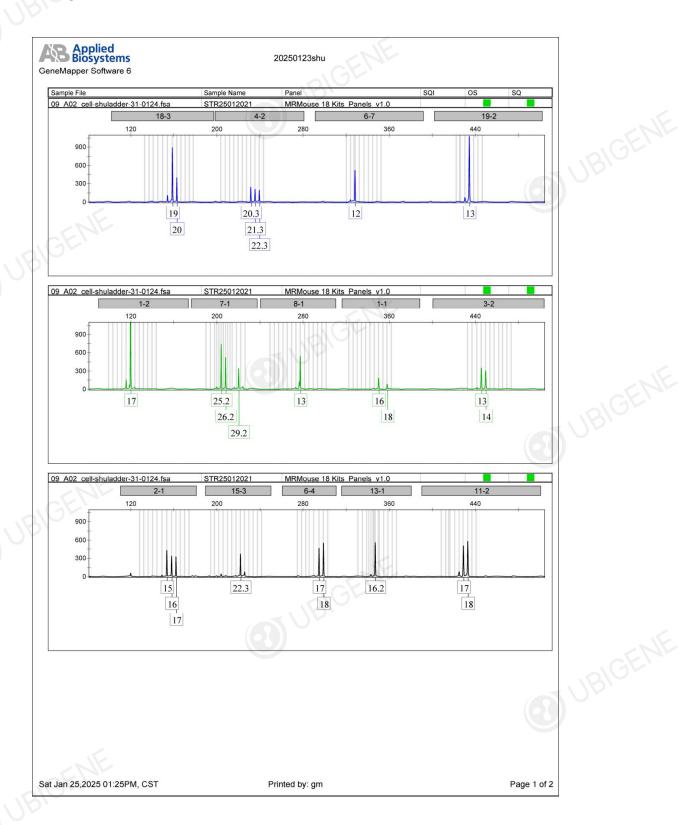
Note: The cell lines were compared with the STR data of cell lines from ATCC, DSMZ, JCRB and RIKEN databases, the cell lines not included in the above cell banks could not be matched. D4S2408 and TH01 in the above sites is a human site, which is used to detect whether the cell is contaminated by human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

4. Conclusion: This cell line is identified as a mouse cell line. The STR results of <u>P3/NSI/1-Ag4-1 [NS-1]</u> cells are consistent with the genotypes of <u>P3/NSI/1-Ag4-1 [NS-1]</u> cell lines in <u>EXPASY</u> database, the cell ID corresponded to <u>CVCL_2155</u>, and the STR results <u>basically matched</u>. In the test, <u>No multi allele was found in this cell line, and there was no human source contamination in this cell line.</u>

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5. Attached Image



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