O UBIGENE **STR Authentication Report For Cell Line**

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1. Cell Name: B16-F1

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.

	gene genoty Genoty		results of ST	R and Amel	ogenin loci	in cells	Np.
			or Sample cell	STR profile for Cell Bank cell Cell name: B16-F1			
STR Loci	3/0	Cell name: S	TR25012022				
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
18-3	15.0	16.0		BIGE,	15.0	16.0	
4-2	20.3	21.3			20.3	21.3	
6-7	15.0				15.0		IBIGE
19-2	13.0				13.0		0
1-2	19.0	20.0			19.0	20.0	
7-1	26.2				26.2		
8-1	16.0	17.0			16.0	17.0	
1-1	17.0	18.0		GEN	17.0	18.0	
3-2	14.0	15.0		JBIO	14.0	15.0	
2-1	16.0		(0)		16.0		-5'
15-3	22.3	23.3			22.3	23.3	IBIO
6-4	18.0	19.0			18.0	19.0	
13-1	17.0	18.0			17.0	18.0	
11-2	16.0	17.0			16.0	17.0	
17-2	15.0	16.0	17.0		15.0	16.0	17.0
12-1	17.0			EN	17.0	18.0	
5-5	16.0	20.0		BIOL	16.0	20.0	

X-1	28.0			28.0	
TH01					
D5S818			CENT		

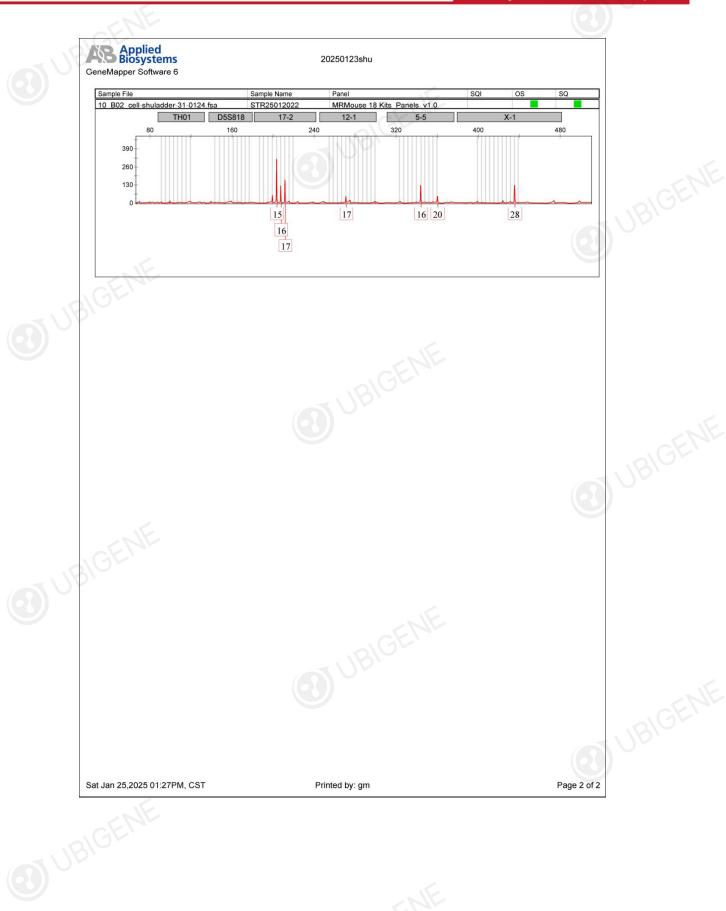
Note: The cell lines were compared with the STR data of cell lines from ATCC, DSMZ, JCRB and RIKEN databases, the cell lines not included in the above cell banks could not be matched. D4S2408 and TH01 in the above sites is a human site, which is used to detect whether the cell is contaminated by human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

4. Conclusion: This cell line is identified as a mouse cell line. The STR results of <u>B16-F1</u> cells are consistent with the genotypes of <u>B16-F1</u> cell lines in <u>EXPASY</u> database, the cell ID corresponded to <u>CVCL_0158</u>, and the STR results <u>basically matched</u>. In the test, <u>No multiallele 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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