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

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1. Cell Name: MC38

- 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:

	Genoty	pe analysis	results of S	TR and Ame	logenin loci	in cells	
d	OGENES	STR profile fo	or Sample cel	STR profile for Cell Bank cell  Cell name: MC-38[EXPASY kerafast]			
STR Loci	0,	Cell nam	ne: Mc38				
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
18-3	15.0	16.0		BIGE	15.0	16.0	
4-2	20.3				20.3		
6-7	15.0	16.0			15.0	16.0	IBIGE
19-2	13.0				13.0	(-1)	
1-2	19.0				18.0	19.0	20.0
7-1	26.2				26.2		
8-1	16.0				16.0		
1-1	16.0	17.0		CEN	15.0	16.0	17.0
3-2	13.0	14.0	15.0	1810.	14.0	15.0	
2-1	16.0				16.0		-EN
15-3	22.3	23.3			22.3	23.3	IBIGE
6-4	18.0				18.0		
13-1	17.0				17.0		
11-2	16.0				16.0		
17-2	15.0	16.0			15.0	16.0	
12-1	17.0			-EN	17.0		
5-5	16.0	17.0		1810-	16.0	17.0	



X-1	27.0			27.0	
TH01	0.				
D5S818			CENT		

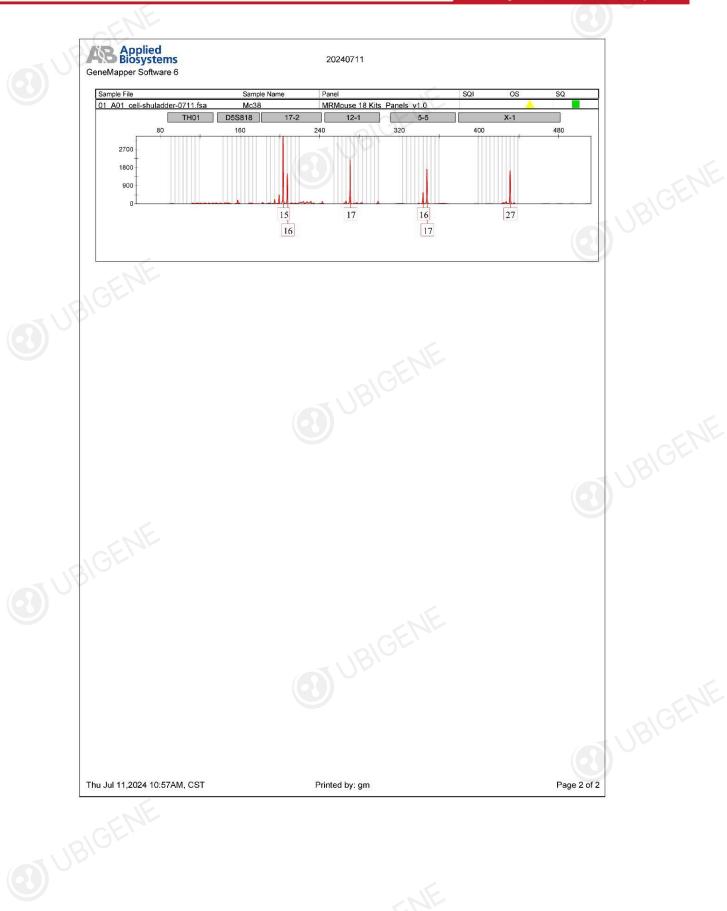
Note: The cell lines were compared with the STR data of cell lines from ATCC, DSMZ, JCRB and RIKEN databases, the cell lines not included in the above cell banks could not be matched. D4S2408 and TH01 in the above sites is a human site, which is used to detect whether the cell is contaminated by human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

4. Conclusion: This cell line is identified as a mouse cell line. The STR results of MC38 cells are consistent with the genotypes of MC38 cell lines in EXPASY database, the cell ID corresponded to CVCL\_B288Kerafast; ENH204-FP, and the STR results basically matched. In the test, Multiple alleles were found, no cross-contamination, no human contamination in this cell line.

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## 5. Attached Image





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