STR Authentication Report For Cell Line

(B) UBIGENE

EU Toll free: 800 3272 9252

1. Cell Name: PK136

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.

	Ger	notype anal	ysis result	s of STR and	d Ameloge	nin loci in (cells		
		TR profile fo		1	STR profile for Cell Bank cell Cell name: PK136				
STR Loci	(Cell name: S	TR2504113	34					
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3	Allele4	
18-3	16.0	17.0	18.0	19	16.0	17.0	18.0	19	
4-2	21.3			3	21.3				
6-7	12.0	14.0			12.0	14.0		BIGE	
19-2	11.0	12.0	13.0		11.0	12.0	13.0) V	
1-2	16.0	17.0			16.0	17.0			
7-1	24.2	25.2	26.2	27	24.2	25.2	26.2	27	
8-1	13.0	14.0	16.0		13.0	14.0	16.0		
1-1	13.0	16.0	17.0		13.0	16.0	17.0		
3-2	14.0	15.0		JUBI	14.0	15.0			
2-1	9.0	15.0	16.0		9.0	15.0	16.0		
15-3	21.3	22.3	23.3	25.3	21.3	22.3	23.3	25.3	
6-4	17.0	18.0	19.0	20	17.0	18.0	19.0	20	
13-1	15.2	16.2	17.1	17.2 18.2	15.2	16.2	17.1	17.2 18.2	
11-2	16.0	17.0	18.0		16.0	17.0	18.0		
17-2	15.0	16.0			15.0	16.0			
12-1	15.0	16.0	17.0		15.0	16.0	17.0		

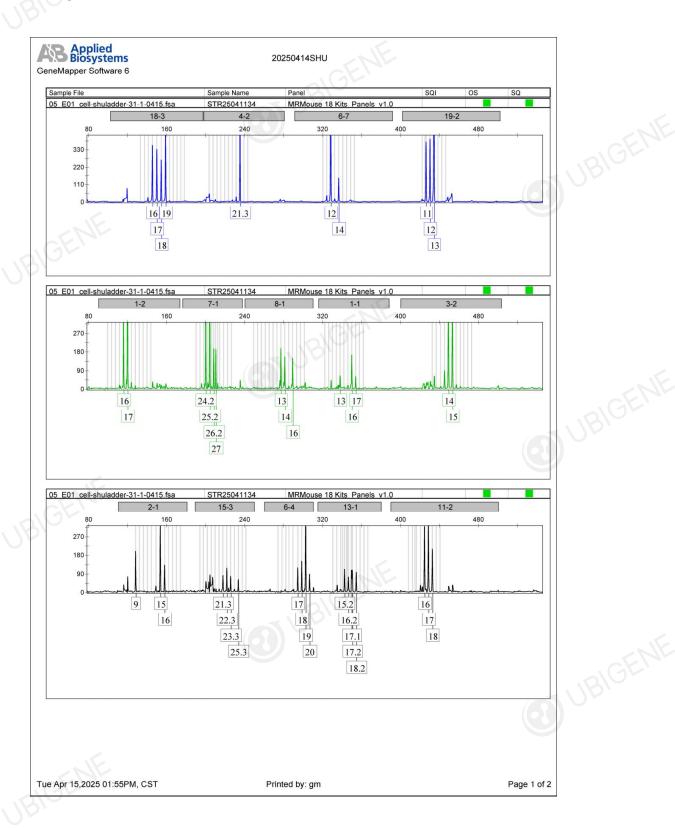


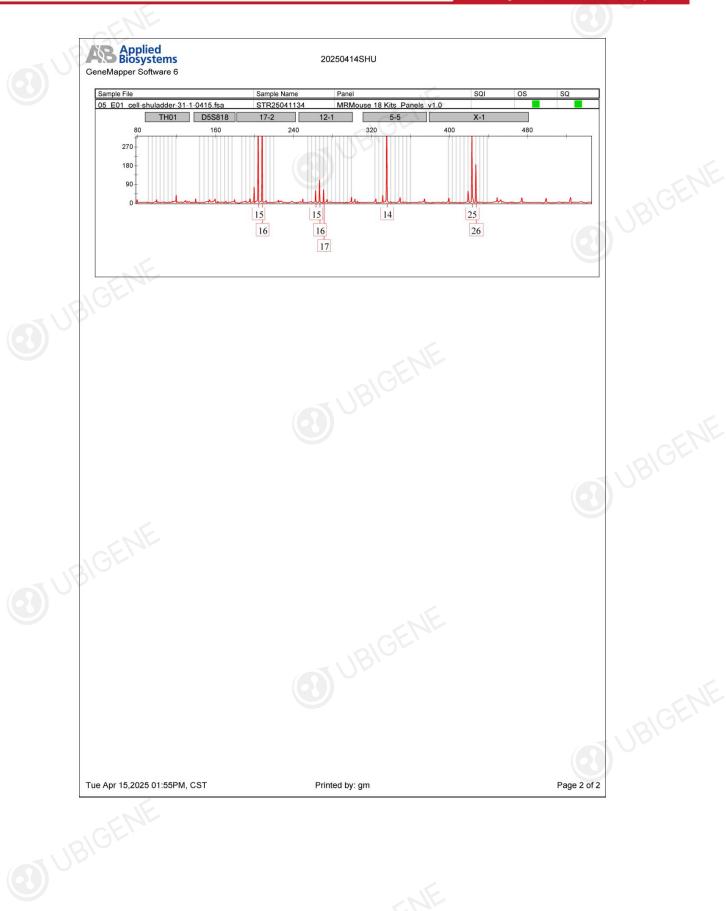
5-5	14.0			14.0		
X-1	25.0	26.0		25.0		
TH01				ENE		
D5S818			TUB!	9		

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>PK136</u> cells are consistent with the genotypes of <u>PK136</u> cell lines in <u>EXPASY</u> database, the cell ID corresponded to <u>3101HOUSCSP5362</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</u> in this cell line.

5. Attached Image





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