

Figure 1. STR profiles of 5-8F cell line

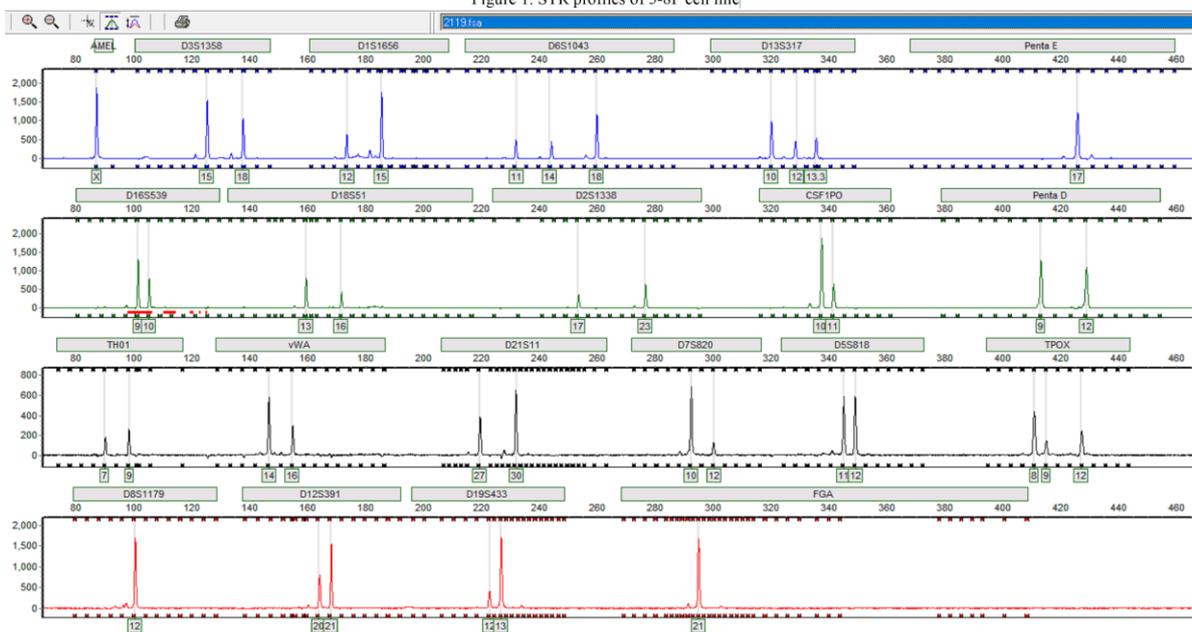


Table 1. STR profiles of 5-8F cell line

	Allele1	Allele2	Allele3
AMEL	x		
D3S1358	15	18	
D1S1656	12	15	
D6S1043	11	14	18
D13S317	10	12	13.3
Penta E	17		
D16S539	9	10	
D18S51	13	16	
D2S1338	17	23	
CSF1PO	10	11	
Penta D	9	12	
TH01	7	9	
vWA	14	16	
D21S11	27	30	
D7S820	10	12	
D5S818	11	12	
TPOX	8	9	12
D8S1179	12		
D12S391	20	21	
D19S433	12	13	
FGA	21		

Figure 2. Search result in ATCC database

## SEARCH THE STR DATABASE

As part of our continuing efforts to characterize and authenticate the cell lines in the Cell Biology collection, ATCC has developed a comprehensive database of short tandem repeat (STR) DNA profiles for all of our human cell lines. [View our brief tutorial before starting.](#)

1. [STR Profiling Analysis](#)
2. [Matching Algorithm](#)
3. [Interrogating the Database](#)

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Add to Cart	%Match	ATCC® Number	Designation	D5S818	D13S317	D7S820	D16S539	vWA	TH01	AMEL	TPOX	CSF1PO
<input type="checkbox"/>	92.0	CRL-3296	MP38Uveal MelanomaHuman	12	12	10,12	9	14,17	7,9	X	8	11
<input type="checkbox"/>	86.0	CCL-13	Chang LiverHeLa ContaminantHuman	12	12,13.3	8,12	9,10	16,18	7	X	8,12	10
<input type="checkbox"/>	86.0	CCL-21	AV-3AmnionHuman	11,12	13.3	12	9,10	16,18	7	X	8,12	9,10
<input type="checkbox"/>	81.0	CCL-2	HeLaCervical AdenocarcinomaHuman	11,12	12,13.3	8,12	9,10	16,18	7	X	8,12	9,10

Figure 3. Search result in DSMZ database

Result of STR matching analysis by your data.											
- DSMZ Profile Database -											
A graphical presentation is shown at the bottom of this page.											
EV	Cell No.	Cell name	Locus names								Figures
			D5S818	D13S317	D7S820	D16S539	VWA	TH01	AM	TPOX	
	Query (Your Cell)		11, 12	10, 12, 13.3	10, 12	9, 10	14, 16	7, 9	x, x	8, 9, 12	10, 11

Figure 4. Authentication of the species of the sample



M: Marker. As the size of 700, 600, 500, 400, 300, 200 and 100bp from up to down.

Nine species are checked, as follow: *Homo sapiens* 391bp, *Cricetulus griseus* 315bp, *Macaca mulatta* 287bp, *Cercopithecus aethiops* 222bp, *Rattus norvegicus* 196bp, *Canis familiaris* 172bp, *Mus musculus* 150bp, *Bos Taurus* 102bp, IC 70bp

JD2119: The sample. The band size is 391bp which matches the size of human.