

# **ShangHai BLOWING APPLIED BIOTECHNOLOGY Co. LTD**

## Cell Line Authentication – STR Profiling

Sample Type: Cell Line

Sample from: Gaining Biological

Testing Method: STR Genotyping

Report Time: November 22, 2017

## COMPANY STATEMENT

1. THIS REPORT IS ONLY RESPONSIBLE FOR THE SAMPLES ANALYZED.
2. THE TESTING RESULTS AND THE ORGANIZATION NAME WILL NOT BE USED FOR ADVERTISEMENT, COMMERCIAL EXHIBITIONS, COMMERCIAL PERFORMANCE AND OTHER COMMERCIAL ACTIVITIES.
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## Cell Line Authentication – STR Profiling Report

Sample code

Table 1. Sample Code

Customer's code	Company Code
C666-1	20171114-05

Sample Number: 1

Sample Type: Cell line

Testing Type: STR

Sample From: Gaining Biological

Testing Method:

DNA was extracted by a commercial kit from CORNING (AP-EMN-BL-GDNA-250G). The twenty STRs including Amelogenin locus were amplified by six multiplex PCR and separated on ABI 3730XL Genetic Analyzer. The signals were then analyzed by the software GeneMapper.

Test Results:

### 1. Result

Table 2. Matching information on the cell lines

Sample Code	Multi-allele	Cell line matched	Cell Bank	Percentage
20171114-05	YES	C666-1	EXPASY	18/19

- **Multi-allele means some STR contain more than two loci.**

### 2. Sample Description

20171114-05: The DNA of the cell lines found to substantially match the type of cell lines in a cell line retrieval, EXPASY database shows that cells called **C666-1**, **CVCL 7949** corresponding to the cell number.

### 3. Genotyping Result

Table 3. STR and Amelogenin Genotyping Results of Cell line 20171114-05

Marker	Sample				Cell Bank information		
	Allele1	Allele2	Allele3	Allele4	Allele1	Allele2	Allele3
D5S818	11	11			11	12	
D13S317	8	11			8	11	
D7S820	11	12			11	12	
D16S539	10	10			10	10	
VWA	17	18			17	18	
TH01	6	8			6	8	
AMEL	X	Y			X	Y	
TPOX	8	11			8	11	
CSF1PO	11	15	16		11	15	16
D12S391	23	23					
FGA	23.2	23.2					
D2S1338	16	22					
D21S11	28	31.2					
D18S51	15	16					
D8S1179	11	16					
D3S1358	16	17					
D6S1043	19	19					
PENTAE	11	15					
D19S433	12	15.2					
PENTAD	8.2	9.1					

Others:

#### 1. Genotyping Strategy and Site Distribution

Attached Table. Experimental Strategy and Sites

	Strategy 1	Strategy 2	Strategy 3	Strategy 4
1	TH01	TPOX	D3S1358	AMEL
2	D12S391	VWA	D13S317	D5S818
3	D7S820	D8S1179	D6S1043	D2S1338
4	CSF1PO	PENTAD	D16S539	D21S11
5	FGA		D19S433	D18S51
6	PENTAE			

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