

## STR Authentication Report For Cell Line

1. Cell Name: SU-DHL-4

2. Test Method: DNA was extracted using the genome extraction kit (Axygen), amplified using a 21- STR amplification protocol, the STR loci and gender gene Amelogenin were detected on the ABI 3730XL Genetic Analyzer.

3. Sample gene genotype analysis result:

Genotype analysis results of STR and Amelogenin loci in cells						
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell		
	Cell name: STR25022012			Cell name: SU-DHL-4		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	11	12		11	12	
D13S317	11	12		11	12	
D7S820	8	11		8	11	
D16S539	11	13		11	13	
VWA	18	19		18	19	
TH01	6	9.3		6	9.3	
AMEL	X	Y		X	Y	
TPOX	9	11		9	11	
CSF1PO	12	12		12	12	
D12S391	18	20				
FGA	19	21				
D2S1338	17	19				
D21S11	29	30				
D18S51	14	16				
D8S1179	13	13				

D3S1358	15	16				
D6S1043	11	11				
PENTAE	7	11				
D19S433	14	15.2				
PENTAD	9	14				
D1S1656	15	18.3				

4. Conclusion: The STR results of **SU-DHL-4** cells are consistent with the genotypes of **SU-DHL-4** cell lines in **DSMZ** database, the cell ID corresponded to **ACC-495** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

## 5. Attached Image

