

## STR Authentication Report For Cell Line

1. Cell Name: A-431

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: A431			Cell name: A-431		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	13		12	13	
D13S317	9	13		9	13	
D7S820	10	10		10	10	
D16S539	12	14		12	14	
VWA	15	17		15	17	
TH01	9	9		9	9	
AMEL	X	X		X	X	
TPOX	11	11		11	11	
CSF1PO	11	12		11	12	
D12S391	18	23				
FGA	20	20				
D2S1338	17	20				
D21S11	28	28				
D18S51	13	17				
D8S1179	13	13				

D3S1358	14	14				
D6S1043	12	18				
PENTAE	12	13				
D19S433	15	15.2				
PENTAD	11	11				
D1S1656	16	17				

4. Conclusion: The STR results of **A-431** cells are consistent with the genotypes of **A-431** cell lines in **DSMZ** database, the cell ID corresponded to **91** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

## 5. Attached Image



